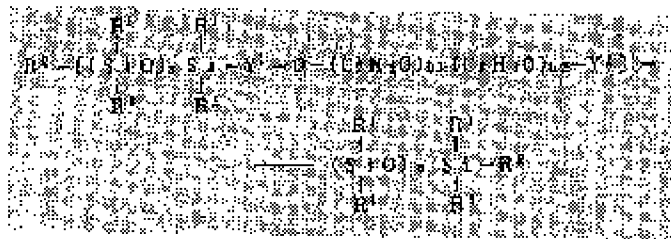


IN THE CLAIMS:

1. (Previously Presented) A composition for hair comprising a block copolymer (A) represented by the following general formula (1):

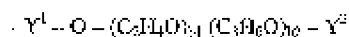
General formula (1)



[wherein R¹ independently designates univalent hydrocarbon groups free of aliphatic unsaturation, hydroxyl groups, or alkoxy groups;

Y¹ designates a trivalent organic group;

R² independently designates hydrogen atoms, hydroxyl groups, substituted or unsubstituted univalent hydrocarbon groups, alkoxy groups, or groups represented by the following formula:



(wherein Y² is a hydrogen atom or a substituted or unsubstituted univalent hydrocarbon group);

"n" is 1 or a greater integer;

"m" is 1 or a greater integer;

"p2" is 0, 1 or a greater integer;

"c" is 1 or a greater integer;

U.S. N. 10/540,816

2

=> fil cap

FILE 'CAPLUS' ENTERED AT 14:15:37 ON 07 JAN 2009

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FILE COVERS 1907 - 7 Jan 2009 VOL 150 ISS 2
FILE LAST UPDATED: 6 Jan 2009 (20090106/ED)

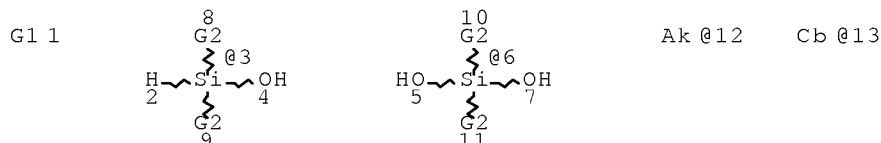
Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> d que 130

L4 STR



VAR G1=3/6

VAR G2=12/13

NODE ATTRIBUTES:

CONNECT IS E1 RC AT 12

CONNECT IS E1 RC AT 13

DEFAULT MLEVEL IS ATOM

GGCAT IS SAT AT 12

GGCAT IS SAT AT 13

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

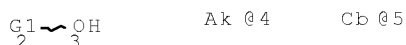
NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE

L6 33406 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 75-21-8/CRN

L8 860 SEA FILE=REGISTRY SUB=L6 SSS FUL L4

L18 STR



VAR G1=4/5

NODE ATTRIBUTES:

CONNECT IS E1 RC AT 4
 CONNECT IS E1 RC AT 5
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE

L19 233 SEA FILE=REGISTRY SUB=L8 SSS FUL L18
 L20 70 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L19 AND BLOCK/CNS
 L21 53 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L20 AND NC<7
 L25 53 SEA FILE=REGISTRY POLYLINK L21
 L26 65 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L25
 L28 28796 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON HAIR PREPARATIONS+PFT,
 NT/CT
 L29 58 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L26 AND (PY<2004 OR
 AY<2004 OR PRY<2004)
 L30 5 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L28 AND L29

=> d l30 ibib abs hitind hitstr tot
 YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS' - CONTINUE? (Y)/N:y

L30 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2005:181285 HCAPLUS Full-text
 DOCUMENT NUMBER: 142:284770
 TITLE: Hair preparations containing amphipathic amide lipids
 and organopolysiloxanes having amino-substituted
 polysiloxane and polyoxyalkylene chains
 INVENTOR(S): Ishino, Yuji; Morita, Koji; Usunami, Fumiko
 PATENT ASSIGNEE(S): Kao Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 25 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 2005053823	A	20050303	JP 2003-285443	20030801 <--
PRIORITY APPLN. INFO.:			JP 2003-285443	20030801 <--
OTHER SOURCE(S):	MARPAT 142:284770			

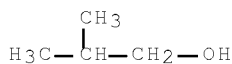
AB The hair preps., which prevent and repair hair damage due to heat of dryers, permanent wave preps., hair dyes, hair bleaches, etc., and maintain softness and smoothness of hair, contain (a) amphipathic amide lipids (Markush structures of 4 types are given), (b) organopolysiloxanes having amino-substituted polysiloxane and polyoxyalkylene chains, and optional (c) quaternary ammonium salts or tertiary amines (Markush structures are also given). Thus, a hair conditioner was formulated containing
 $\text{MeO}(\text{CH}_2)_3\text{NHCO}(\text{CH}_2)_6\text{CHMe}(\text{CH}_2)_4\text{CHMe}(\text{CH}_2)_6\text{CONH}(\text{CH})_3\text{OMe}$,
 $\text{Me}_2\text{CHCH}_2\text{O}(\text{C}_2\text{H}_4\text{O})_{54}[\text{CH}_2\text{CHMeCH}_2(\text{SiMe}_2\text{O})_{48}[\text{SiMe}[(\text{CH}_2)_3\text{NHCH}_2\text{CH}_2\text{NH}_2]\text{O}]_2\text{SiMe}_2\text{CH}_2\text{CHMeCH}_2\text{O}(\text{C}_2\text{H}_4\text{O})_{54}]_6\text{CH}_2\text{CHMe}_2$, and stearyltrimethylammonium chloride.

IC ICM A61K007-06
 ICS A61K007-00; A61K007-11

CC 62-3 (Essential Oils and Cosmetics)
 IT Hair preparations
 (conditioners, styling; hair conditioners containing amphipathic amide lipids and organopolysiloxanes having amino-substituted polysiloxane and polyoxyalkylene chains)
 IT Hair preparations
 (conditioners; hair conditioners containing amphipathic amide lipids and organopolysiloxanes having amino-substituted polysiloxane and polyoxyalkylene chains)
 IT 34435-05-7 110483-07-3 288072-63-9 301827-63-4 636596-93-5
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hair conditioners containing amphipathic amide lipids and organopolysiloxanes having amino-substituted polysiloxane and polyoxyalkylene chains)
 IT 636596-93-5
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hair conditioners containing amphipathic amide lipids and organopolysiloxanes having amino-substituted polysiloxane and polyoxyalkylene chains)
 RN 636596-93-5 HCAPLUS
 CN Silanediol, [3-[(2-aminoethyl)amino]propyl]methyl-, polymer with dimethylsilanediol and oxirane, 2-methylpropyl ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 78-83-1
 CMF C4 H10 O

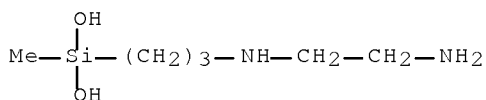


CM 2

CRN 636596-92-4
 CMF (C6 H18 N2 O2 Si . C2 H8 O2 Si . C2 H4 O)x
 CCI PMS

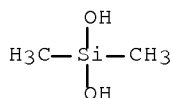
CM 3

CRN 83145-66-8
 CMF C6 H18 N2 O2 Si



CM 4

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 5

CRN 75-21-8
CMF C2 H4 O



L30 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2004:720135 HCAPLUS Full-text
 DOCUMENT NUMBER: 141:230297
 TITLE: Hair-setting compositions containing
 polysiloxane-polyoxyalkylene block polymers and
 film-forming polymers
 INVENTOR(S): Tamura, Masaki
 PATENT ASSIGNEE(S): Nippon Unicar Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 42 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004244328	A	20040902	JP 2003-33241	20030212 <--
JP 3979951	B2	20070919		

PRIORITY APPLN. INFO.: JP 2003-33241 20030212 <--

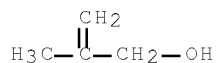
AB The compns., which show good hair-setting effect without stickiness, contain (A) R2[[Si(R1)2O]aSi(R1)2Y1O(C2H4O)b1(C3H6O)b2Y1]c[Si(R1)2O]aSi(R1)2R2 [I; R1 = aliphatic unsatd. group-free hydrocarbyl, OH, alkoxy; Y1 = divalent organic group; R2 = H, OH, (un)substituted hydrocarbyl, alkoxy, Y1O(C2H4O)b1(C3H6O)b2Y2; Y2 = H, (un)substituted hydrocarbyl; a, b1, c ≥1; b2 ≥0] showing average mol. weight (MW) ≥50,000, MW and content of polysiloxane blocks ≥10,500 and 50-99 weight%, resp., and MW of polyoxyalkylene blocks 130-10,000 and (B) film-forming polymers. A hair-setting agent was prepared from Luviskol VA (vinylpyrrolidone-vinyl acetate copolymer) 4.5, Yukaformer R 205S 0.5, I [R1 = Me, Y1 = CH2CHMeCH2, R2 = CH2CHMeCH2O(C2H4O)14CH2CMe:CH2; a = 199, b1 = 14, b2 = 0, c = 13] 0.05, di-Me polysiloxane 0.075, perfume 0.1, n-pentane 29.0, Me2O 27.0, and EtOH to 100 weight%.

IC ICM A61K007-11
 CC 62-3 (Essential Oils and Cosmetics)
 IT Hair preparations
 (hair-setting compns. containing polysiloxane-polyoxyalkylene block
 polymers and film-forming polymers)
 IT 79-10-7D, Acrylic acid, esters, polymers with methacrylate esters
 79-41-4D, Methacrylic acid, alkyl esters, polymers with
 methacryloyl-containing betaine 53633-54-8, Gafquat 755 62723-61-9D,
 polymers with alkyl methacrylates 126040-57-1, Plascize L 53D
 150104-73-7, Yukaformer SM 192827-90-0, Yukaformer R 205S
 214425-81-7 748186-93-8
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hair-setting compns. containing polysiloxane-polyoxyalkylene block
 polymers and film-forming polymers)
 IT 214425-81-7 748186-93-8
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hair-setting compns. containing polysiloxane-polyoxyalkylene block
 polymers and film-forming polymers)
 RN 214425-81-7 HCAPLUS
 CN Silanediol, dimethyl-, polymer with methyloxirane and oxirane,
 mono(2-methyl-2-propenyl) ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 513-42-8

CMF C4 H8 O



CM 2

CRN 156309-05-6

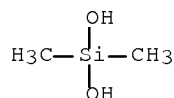
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 1066-42-8

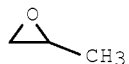
CMF C2 H8 O2 Si



CM 4

CRN 75-56-9

CMF C3 H6 O



CM 5

CRN 75-21-8

CMF C2 H4 O



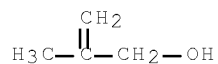
RN 748186-93-8 HCAPLUS

CN Silanediol, dimethyl-, polymer with oxirane, mono(2-methyl-2-propenyl) ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 513-42-8

CMF C4 H8 O



CM 2

CRN 156309-06-7

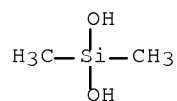
CMF (C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 4

CRN 75-21-8

CMF C2 H4 O



L30 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2004:565060 HCAPLUS Full-text
 DOCUMENT NUMBER: 141:111180
 TITLE: Hair care compositions containing block
 polysiloxane-polyoxyalkylenes
 INVENTOR(S): Tamura, Seiki
 PATENT ASSIGNEE(S): Nippon Unicar Company Limited, Japan
 SOURCE: PCT Int. Appl., 71 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004058198	A1	20040715	WO 2003-JP16566	20031224 <--
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2003292751	A1	20040722	AU 2003-292751	20031224 <--
EP 1586297	A1	20051019	EP 2003-768156	20031224 <--
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
US 20060029559	A1	20060209	US 2005-540816	20050624 <--
PRIORITY APPLN. INFO.:			JP 2002-376615	A 20021226 <--
			WO 2003-JP16566	W 20031224 <--

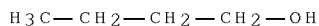
OTHER SOURCE(S): MARPAT 141:111180

AB It is intended to provide: (1) a hair care composition which can impart a moist feel, a smooth texture, a favorable feel of film thickness and favorable combining properties to the hair, by which these effects can be sustained even after repeatedly brushing and which gives neither any squeaky feel to both of dry hair and wet hair nor any stickiness to dried hair; and (2) a hair care composition which is excellent in foaming and cleansing performances and by which a smooth texture and favorable combining properties can be sustained even after repeatedly shampooing. A hair care composition is characterized by containing from 0.01 to 10% by mass of a specific polyorganosiloxane-polyoxyalkylene block copolymer.

IC ICM A61K007-06
 CC 62-3 (Essential Oils and Cosmetics)
 Section cross-reference(s): 38
 IT Hair preparations
 (conditioners; hair care compns. containing block
 polysiloxane-polyoxyalkylenes)
 IT Hair preparations
 (creams; hair care compns. containing block polysiloxane-polyoxyalkylenes)
 IT Shampoos
 (hair care compns. containing block polysiloxane-polyoxyalkylenes)
 IT Hair preparations
 (lotions; hair care compns. containing block
 polysiloxane-polyoxyalkylenes)
 IT Hair preparations
 (mousses; hair care compns. containing block
 polysiloxane-polyoxyalkylenes)
 IT 163252-63-9 190269-04-6D,
 trimethylsilyl/hydroxydimethylsilyl-terminated 199985-91-6
 721444-16-2
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (assumed monomers; hair care compns. containing block
 polysiloxane-polyoxyalkylenes)
 IT 163252-63-9 721444-16-2
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (assumed monomers; hair care compns. containing block
 polysiloxane-polyoxyalkylenes)
 RN 163252-63-9 HCAPLUS
 CN Silanediol, dimethyl-, polymer with methyloxirane, methylsilanediol and
 oxirane, butyl ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 71-36-3
 CMF C4 H10 O

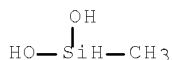


CM 2

CRN 157478-91-6
 CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x
 CCI PMS

CM 3

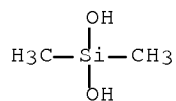
CRN 43641-90-3
 CMF C H6 O2 Si



CM 4

CRN 1066-42-8

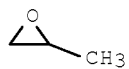
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8

CMF C2 H4 O



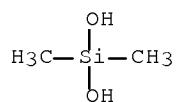
RN 721444-16-2 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane polymer with oxirane
bis(2-methyl-2-propenyl) ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 2

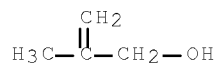
CRN 71061-26-2

CMF C4 H8 O . 1/2 (C3 H6 O . C2 H4 O)x

CM 3

CRN 513-42-8

CMF C4 H8 O



CM 4

CRN 9003-11-6

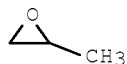
CMF (C3 H6 O . C2 H4 O)x

CCI PMS

CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8

CMF C2 H4 O



L30 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2003:1006729 HCAPLUS Full-text
 DOCUMENT NUMBER: 140:47027
 TITLE: Cosmetic hair compositions containing
 organopolysiloxane having amino-modified
 organopolysiloxane chain and polyoxyalkylene chain and

INVENTOR(S): cationic surfactant
 Hanada, Yoko; Sato, Nakako
 PATENT ASSIGNEE(S): Kao Corporation, Japan
 SOURCE: PCT Int. Appl., 36 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003105792	A1	20031224	WO 2002-JP5920	20020613 <--
W: CN, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
EP 1512391	A1	20050309	EP 2002-736090	20020613 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
CN 1627933	A	20050615	CN 2002-829127	20020613 <--
US 20050255074	A1	20051117	US 2005-517375	20050609 <--
PRIORITY APPLN. INFO.:			WO 2002-JP5920	W 20020613 <--

OTHER SOURCE(S): MARPAT 140:47027

AB Disclosed is a cosmetic hair composition which is effective in preventing the hair from creaking during rinsing in a water stream, and in improving the flexibility and smoothness of the hair being rinsed and which thereby prevents the hair from being damaged by hair entanglement during rinsing. It contains organopolysiloxane having an amino-modified organopolysiloxane chain and a polyoxyalkylene chain and at least one cationic surfactant selected among compds. represented by the general formulas $[R_1(R_2)(R_3)NR_4]^+X^-$ and $R_5N(R_6)R_6$ ($R_1, R_2, R_3, R_4 = C_8-35$ alkyl, C_1-5 alkyl, hydroxyalkyl, etc.; $X^- =$ halogen ion or organic anion; $R_5 = C_5-35$, etc.; and $R_6 = C_1-22$ alkyl, etc.). A hair conditioner containing an organopolysiloxane having amino-modified organopolysiloxane chain and polyoxyalkylene chain (FZ 3789) 1, behenyldimethylamine 1, stearamidopropyldimethylamine 2, cetyl alc. 1, stearyl alc. 3, dimethylpolysiloxane (TSF 451-10A) 0.7, dimethylpolysiloxane (TSF 451-50MA) 0.3, lactic acid 2, malic acid 3, citric acid q.s., propylene glycol 0.5, fragrance/methyl paraben q.s., and water balance to 100 % was formulated.

IC ICM A61K007-06
 ICS A61K007-075; A61K007-08

CC 62-3 (Essential Oils and Cosmetics)

IT Hair preparations
 (conditioners; cosmetic hair compns. containing organopolysiloxane having amino-modified organopolysiloxane chain and polyoxyalkylene chain and cationic surfactant)

IT Shampoos
 (conditioning; cosmetic hair compns. containing organopolysiloxane having amino-modified organopolysiloxane chain and polyoxyalkylene chain and cationic surfactant)

IT Hair preparations
 (gels; cosmetic hair compns. containing organopolysiloxane having amino-modified organopolysiloxane chain and polyoxyalkylene chain and cationic surfactant)

IT Hair preparations
 (mousses; cosmetic hair compns. containing organopolysiloxane having amino-modified organopolysiloxane chain and polyoxyalkylene chain and cationic surfactant)

IT 112-03-8, Stearyltrimethylammonium chloride 1812-53-9,
 Dicetyldimethylammonium chloride 7651-02-7,
 Stearamidopropyldimethylamine 17301-53-0, Behenyltrimethylammonium

chloride 21542-96-1 457066-37-4 457066-38-5
636596-34-4 636596-91-3 636596-93-5

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic hair compns. containing organopolysiloxane having amino-modified
organopolysiloxane chain and polyoxyalkylene chain and cationic
surfactant)

IT 457066-37-4 457066-38-5 636596-91-3
636596-93-5

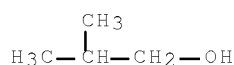
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic hair compns. containing organopolysiloxane having amino-modified
organopolysiloxane chain and polyoxyalkylene chain and cationic
surfactant)

RN 457066-37-4 HCAPLUS

CN Silanediol, [3-[(2-aminoethyl)amino]propyl]methyl-, polymer with
dimethylsilanediol, methyloxirane and oxirane, 1,1-dimethylethyl ether,
block (9CI) (CA INDEX NAME)

CM 1

CRN 78-83-1
CMF C4 H10 O

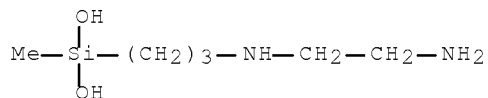


CM 2

CRN 190201-18-4
CMF (C6 H18 N2 O2 Si . C3 H6 O . C2 H8 O2 Si . C2 H4 O)x
CCI PMS

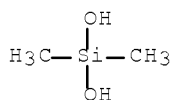
CM 3

CRN 83145-66-8
CMF C6 H18 N2 O2 Si



CM 4

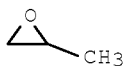
CRN 1066-42-8
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8

CMF C2 H4 O



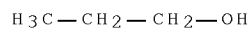
RN 457066-38-5 HCAPLUS

CN Silanediol, [3-[(2-aminoethyl)amino]propyl]methyl-, polymer with dimethylsilanediol, methyloxirane and oxirane, propyl ether, block (9CI)
(CA INDEX NAME)

CM 1

CRN 71-23-8

CMF C3 H8 O



CM 2

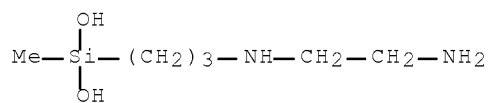
CRN 190201-18-4

CMF (C6 H18 N2 O2 Si . C3 H6 O . C2 H8 O2 Si . C2 H4 O)x

CCI PMS

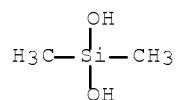
CM 3

CRN 83145-66-8
 CMF C6 H18 N2 O2 Si



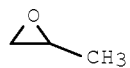
CM 4

CRN 1066-42-8
 CMF C2 H8 O2 Si



CM 5

CRN 75-56-9
 CMF C3 H6 O



CM 6

CRN 75-21-8
 CMF C2 H4 O

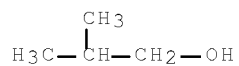


RN 636596-91-3 HCAPLUS
 CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol, methyloxirane and oxirane, 2-methylpropyl ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 78-83-1

CMF C4 H10 O



CM 2

CRN 190268-96-3

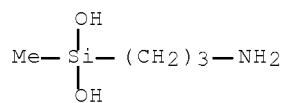
CMF (C4 H13 N O2 Si . C3 H6 O . C2 H8 O2 Si . C2 H4 O) x

CCI PMS

CM 3

CRN 158465-65-7

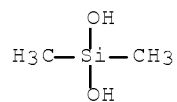
CMF C4 H13 N O2 Si



CM 4

CRN 1066-42-8

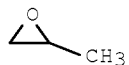
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8

CMF C2 H4 O



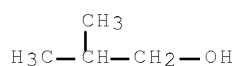
RN 636596-93-5 HCAPLUS

CN Silanediol, [3-[(2-aminoethyl)amino]propyl]methyl-, polymer with dimethylsilanediol and oxirane, 2-methylpropyl ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 78-83-1

CMF C4 H10 O



CM 2

CRN 636596-92-4

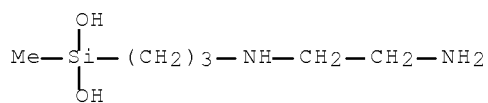
CMF (C6 H18 N2 O2 Si . C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 83145-66-8

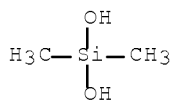
CMF C6 H18 N2 O2 Si



CM 4

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 5

CRN 75-21-8

CMF C2 H4 O



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2002:672166 HCAPLUS Full-text
 DOCUMENT NUMBER: 137:221741
 TITLE: Hair cosmetics containing polyoxyalkylene-polysiloxanes and cationic surfactants
 INVENTOR(S): Hanada, Yoko; Sato, Satoko
 PATENT ASSIGNEE(S): Kao Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 17 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002249418	A	20020906	JP 2001-384621	20011218 <--
PRIORITY APPLN. INFO.:			JP 2000-383378	A 20001218 <--

OTHER SOURCE(S): MARPAT 137:221741

AB Hair cosmetics contain (A) organopolysiloxanes having amino-modified polysiloxane chains and polyoxyalkylene chains and (B) ≥ 1 surfactants chosen from [R1R2R3R4N]+X- [≥ 1 of R1-R4 = C8-35 (O-, CONH-, O2C-, or CO2-containing) (OH-substituted) alkyl, alkenyl, acyloxy(polyethoxy)ethyl; other R1-R4 = C1-5 (hydroxy)alkyl, polyoxyethylene; X = halo, organic anion] and R5N(R6)2 [R5 = C8-35 (O-, CONH-, O2C-, or CO2-containing) (OH-substituted) alkyl, alkenyl; R6 = C1-22 alkyl, alkenyl, hydroxyalkyl]. The cosmetics improves hair flexibility and smoothness during rinsing. A conditioning shampoo was prepared from polyoxyethylene lauryl ether Na sulfate 10.0, stearyldimethylamine 0.1, cetyldimethylamine 0.1, cetanol 0.5, FZ 3789 (amino-

modified polysiloxane-polyoxyalkylene block copolymer) 1.0, TSF 451-10A (di-Me polysiloxane) 0.7, TSF 451-50MA (di-Me polysiloxane) 0.3, lauryldimethylamine oxide 1.0, imidazolinium betaine 1.0, cationic cellulose 0.5, propylene glycol 0.5, ethylene glycol distearate 2.0, aqueous citrate, perfume, methylparaben, and H2O to 100 weight%.

IC ICM A61K007-06

ICS A61K007-075; A61K007-08

CC 62-3 (Essential Oils and Cosmetics)

IT Hair preparations

(conditioners; hair cosmetics containing polyoxyalkylene-polysiloxanes and quaternary ammonium or tertiary amine surfactants)

IT 454694-59-8 457066-37-4,

[3-(2-Aminoethylamino)propyl]methylsilanediol-dimethylsilanediol-ethylene oxide-propylene oxide block copolymer, isobutyl ether 457066-38-5

, [3-(2-Aminoethylamino)propyl]methylsilanediol-dimethylsilanediol-ethylene oxide-propylene oxide block copolymer, propyl ether

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(hair cosmetics containing polyoxyalkylene-polysiloxanes and quaternary ammonium or tertiary amine surfactants)

IT 457066-37-4, [3-(2-Aminoethylamino)propyl]methylsilanediol-

dimethylsilanediol-ethylene oxide-propylene oxide block copolymer, isobutyl ether 457066-38-5,

[3-(2-Aminoethylamino)propyl]methylsilanediol-dimethylsilanediol-ethylene oxide-propylene oxide block copolymer, propyl ether

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(hair cosmetics containing polyoxyalkylene-polysiloxanes and quaternary ammonium or tertiary amine surfactants)

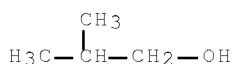
RN 457066-37-4 HCAPLUS

CN Silanediol, [3-[(2-aminoethyl)amino]propyl]methyl-, polymer with dimethylsilanediol, methyloxirane and oxirane, 1,1-dimethylethyl ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 78-83-1

CMF C4 H10 O



CM 2

CRN 190201-18-4

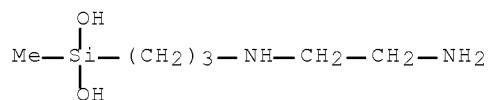
CMF (C6 H18 N2 O2 Si . C3 H6 O . C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 83145-66-8

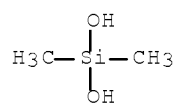
CMF C6 H18 N2 O2 Si



CM 4

CRN 1066-42-8

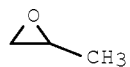
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8

CMF C2 H4 O

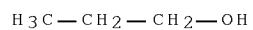


RN 457066-38-5 HCAPLUS
 CN Silanediol, [3-[(2-aminoethyl)amino]propyl]methyl-, polymer with dimethylsilanediol, methyloxirane and oxirane, propyl ether, block (9CI)
 (CA INDEX NAME)

CM 1

CRN 71-23-8

CMF C3 H8 O



CM 2

CRN 190201-18-4

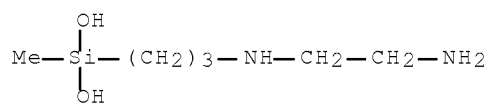
CMF (C6 H18 N2 O2 Si . C3 H6 O . C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 83145-66-8

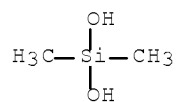
CMF C6 H18 N2 O2 Si



CM 4

CRN 1066-42-8

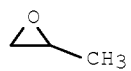
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9

CMF C3 H6 O



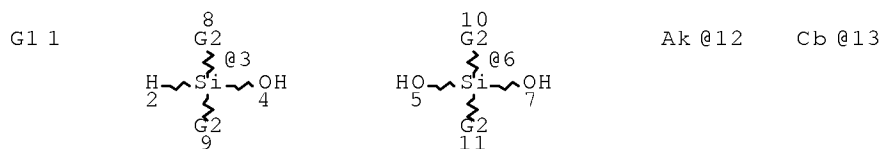
CM 6

CRN 75-21-8
CMF C2 H4 O



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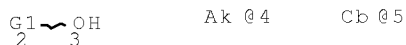
L4 STR



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VAR G2=12/13
NODE ATTRIBUTES:
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DEFAULT MLEVEL IS ATOM
GGCAT IS SAT AT 12
GGCAT IS SAT AT 13
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE
L6 33406 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 75-21-8/CRN
L8 860 SEA FILE=REGISTRY SUB=L6 SSS FUL L4
L18 STR



VAR G1=4/5
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CONNECT IS E1 RC AT 5
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE

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 L20 70 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L19 AND BLOCK/CNS
 L21 53 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L20 AND NC<7
 L25 53 SEA FILE=REGISTRY POLYLINK L21
 L26 65 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L25
 L28 28796 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON HAIR PREPARATIONS+PFT,
 NT/CT
 L29 58 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L26 AND (PY<2004 OR
 AY<2004 OR PRY<2004)
 L30 5 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L28 AND L29
 L32 53 SEA FILE=HCAPLUS SPE=ON ABB=ON PLU=ON L29 NOT L30

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YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS' - CONTINUE? (Y)/N:y

L32 ANSWER 1 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:299456 HCAPLUS Full-text

DOCUMENT NUMBER: 142:360345

TITLE: Skin cosmetics containing
 polyoxyalkylene-organopolysiloxane alternating block
 copolymers

INVENTOR(S): Suzuki, Naoki; Tamura, Masaki

PATENT ASSIGNEE(S): Dow Corning Toray Silicone Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 23 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005089340	A	20050407	JP 2003-322451	20030916 <--
PRIORITY APPLN. INFO.:			JP 2003-322451	20030916 <--

AB The cosmetics contain oils and
 R2[[Si(R1)2O]aSi(R1)2Y1O(C2H4O)b1(C3H6O)b2Y1]c[Si(R1)2O]aSi(R1)2R2 [I; R1 =
 aliphatic unsatd. bond-free hydrocarbyl, OH, alkoxy; Y1 = divalent organic
 group; R2 = H, OH, (un)substituted hydrocarbyl, alkoxy,
 Y1O(C2H4O)b1(C3H6O)b2Y2; Y2 = H, (un)substituted hydrocarbyl; a, b1, c ≥1; b2
 ≥0] showing average mol. weight (Mav) ≥50,000, Mav and content of
 organopolysiloxane block ≥10,500 and 50-99%, resp., Mav of polyoxyalkylene
 block 130-10,000. The cosmetics show good durability, spreadability, and no
 stickiness. A lip gloss was formulated containing Nissan Polybutene 100SH 25,
 I (R1 = Me, Y1 = CH2CHMeCH2; R2 = CH2CHMeCH2O(C2H4O)14CH2CMe:CH2, a = 199, b1
 = 14, b2 = 0, c = 13) 5, Parleam EX (liquid isoparaffin) 29.5, and
 diisostearyl malate 30 weight%.

IT 214425-81-7, Dimethylsilanediol-ethylene oxide-propylene oxide
 block copolymer methallyl ether 748186-93-8,
 Dimethylsilanediol-ethylene oxide block copolymer methallyl ether
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(skin cosmetics containing oils and polyoxyalkylene-organopolysiloxane
 alternating block copolymers)

RN 214425-81-7 HCAPLUS

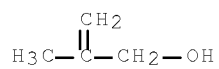
CN Silanediol, dimethyl-, polymer with methyloxirane and oxirane,

mono(2-methyl-2-propenyl) ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 513-42-8

CMF C4 H8 O



CM 2

CRN 156309-05-6

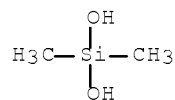
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 1066-42-8

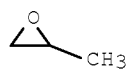
CMF C2 H8 O2 Si



CM 4

CRN 75-56-9

CMF C3 H6 O



CM 5

CRN 75-21-8

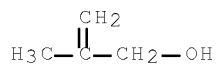
CMF C2 H4 O



RN 748186-93-8 HCAPLUS
 CN Silanediol, dimethyl-, polymer with oxirane, mono(2-methyl-2-propenyl)
 ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 513-42-8
 CMF C4 H8 O

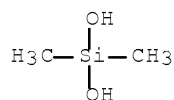


CM 2

CRN 156309-06-7
 CMF (C2 H8 O2 Si . C2 H4 O)x
 CCI PMS

CM 3

CRN 1066-42-8
 CMF C2 H8 O2 Si



CM 4

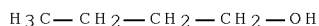
CRN 75-21-8
 CMF C2 H4 O



L32 ANSWER 2 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2004:772665 HCAPLUS Full-text
 DOCUMENT NUMBER: 141:278084
 TITLE: Solvent-free method of polysiloxane modifying
 INVENTOR(S): Hohenberg, Olaf; Krohm, Hans-Guenter; Neumann, Thomas;

Reibold, Thomas; Urban, Michael; Wewers, Dietmar
 PATENT ASSIGNEE(S): Goldschmidt A.-G., Germany
 SOURCE: Eur. Pat. Appl., 18 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1460099	A1	20040922	EP 2004-5391	20040306 <--
EP 1460099	B1	20060621		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
DE 10312636	A1	20040930	DE 2003-10312636	20030321 <--
US 20040186260	A1	20040923	US 2004-804512	20040319 <--
PRIORITY APPLN. INFO.:			DE 2003-10312636	A 20030321 <--
AB	A solvent-free H-atom-substitution (Si-bonded H-atom) of polysiloxanes for alc. residue is implemented by reacting of R2(R')SiO(SiR2O)x(SiHRO)ySiR2R'' (R = linear or branched, saturated or unsatd. C1-20 alkyl, aryl, alkylaryl, arylalkyl or halogenalkyl, siloxy or triorganosiloxy-groups, R' and R'' = H or R, x = 0-300, yr = 0-100) with alcs., polyalcs., polyether-alcs. and aminoalcs. in the presence of IIIA or/and IIIB group organo-element compds., such as B, Al, Sc Yt, La and lanthanoids as catalysts. Thus, mixing 408 g of HSiMe2O(SiMe2O)13SiMe2H, 92 g of ethanol and 0.59 g of tris(perfluorophenyl)borane 2 h at room temperature gave (after removing the liquid fraction at 100°) fully substituted EtOSiMe2O(SiMe2O)13SiMe2OEt.			
IT	186672-60-6P RL: IMF (Industrial manufacture); PREP (Preparation) (solvent-free H-atom-substitution of polysiloxanes for alc. residue in the presence of IIIA or/and IIIB group organo-element catalysts)			
RN	186672-60-6 HCAPLUS			
CN	Silanediol, 1,1-dimethyl-, polymer with 2-methyloxirane and oxirane, butyl ether, block (CA INDEX NAME)			
CM	1			
CRN	71-36-3			
CMF	C4 H10 O			

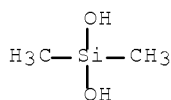


CM 2

CRN 156309-05-6
 CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O)x
 CCI PMS

CM 3

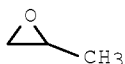
CRN 1066-42-8
 CMF C2 H8 O2 Si



CM 4

CRN 75-56-9

CMF C3 H6 O



CM 5

CRN 75-21-8

CMF C2 H4 O



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L32 ANSWER 3 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2004:529437 HCAPLUS Full-text
 DOCUMENT NUMBER: 141:72424
 TITLE: Antifoamer compositions
 INVENTOR(S): Ikeda, Teruki; Takewaki, Kazuyuki
 PATENT ASSIGNEE(S): Shin-Etsu Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004181415	A	20040702	JP 2002-353777	20021205 <--
JP 3974845	B2	20070912		

PRIORITY APPLN. INFO.: JP 2002-353777 20021205 <--

AB The compns. useful for coatings, inks, dyes, sizing compns., etc. (no data) contain (A) oil compound containing 100 parts a 100:2-30 mixture of (a) a hydrophobic organopolysiloxane having viscosity at 25° of 10-100,000 mm²/s and

(b) a 1:1-3 mixture of hydrophobic silica and hydrophilic silica as main components and (B) 20-500 parts polyoxyalkylene-modified organopolysiloxane. Thus, mixing 100 parts a 100:2:4 mixture of a silsesquioxane (viscosity 5000 mm²/s), Aerosil 200 (hydrophobic silica) and Nipsil HD 2 (hydrophilic silica) with 100 parts a butoxy-capped ethylene oxide-propylene oxide copolymer-grafted trimethylsilyl-terminated dimethylsilanediol-methylsilanediol copolymer, 150 parts another butoxy-capped ethylene oxide-propylene oxide copolymer-grafted trimethylsilyl-terminated dimethylsilanediol-methylsilanediol copolymer, and 50 parts an ethylene oxide-propylene oxide copolymer-grafted trimethylsilyl-terminated dimethylsilanediol-methylsilanediol copolymer gave an antifoamer.

IT 296261-62-6

RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)

(antifoamer compns. containing polyoxyalkylene-grafted organopolysiloxanes and hydrophobic and hydrophilic silicas)

RN 296261-62-6 HCAPLUS

CN Silanediol, dimethyl-, polymer with oxirane, monomethyl ether, block (9CI)
(CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

H₃C—OH

CM 2

CRN 156309-06-7

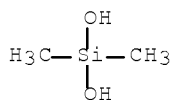
CMF (C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 4

CRN 75-21-8

CMF C2 H4 O



L32 ANSWER 4 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2004:453276 HCAPLUS Full-text
 DOCUMENT NUMBER: 141:7668
 TITLE: Odorless polyether-modified polysiloxane compositions
 useful for cosmetics
 INVENTOR(S): Nishijima, Kazuhiro; Tamura, Seiki; Shoji, Hiroaki
 PATENT ASSIGNEE(S): Nippon Unicar Company Limited, Japan
 SOURCE: PCT Int. Appl., 42 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004046226	A1	20040603	WO 2003-JP14573	20031117 <--
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2003280818	A1	20040615	AU 2003-280818	20031117 <--
DE 10392191	T5	20060601	DE 2003-10392191	20031117 <--
US 20060018935	A1	20060126	US 2005-499828	20050830 <--
PRIORITY APPLN. INFO.:			JP 2002-333423	A 20021118 <--
			WO 2003-JP14573	W 20031117 <--

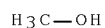
AB An odorless polyether-modified polysiloxane composition which does not generate any odoriferous substance in the production or storage thereof through the hydrolysis or oxidation of byproducts or unreacted substances and is excellent in long-term stability; a process for the production thereof; and cosmetics containing the composition, more specifically, an odorless polyether-modified polysiloxane composition characterized by being produced by subjecting a polyether-modified polysiloxane composition synthesized by hydrosilylation of a polyoxyalkylene having a carbon-carbon double bond at the end with an organohydrogenpolysiloxane to purification by treatment in the presence of a solid acid; a process for the production thereof; and cosmetics containing the composition

IT 172720-46-6DP, trimethylsilyl terminated
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (assumed monomers; odorless polyether-modified polysiloxane compns. useful for cosmetics)

RN 172720-46-6 HCAPLUS

CN Silanediol, dimethyl-, polymer with methylsilanediol and oxirane, methyl ether, block, graft (9CI) (CA INDEX NAME)

CRN 67-56-1
CMF C H4 O

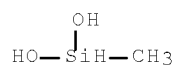


CM 2

CRN 172341-28-5
CMF (C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x
CCI PMS

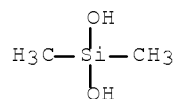
CM 3

CRN 43641-90-3
CMF C H6 O2 Si



CM 4

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 5

CRN 75-21-8
CMF C2 H4 O



REFERENCE COUNT:

27

THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L32 ANSWER 5 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:20369 HCAPLUS Full-text

DOCUMENT NUMBER: 140:78608

TITLE: Room-temperature curable organopolysiloxane compositions

INVENTOR(S): Sakamoto, Takafumi; Iwasaki, Isao

PATENT ASSIGNEE(S): Shin-Etsu Chemical Co., Ltd., Japan

SOURCE: U.S. Pat. Appl. Publ., 9 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20040006190	A1	20040108	US 2003-610572	20030702 <--
US 6906161	B2	20050614		
JP 2004043521	A	20040212	JP 2002-194095	20020703 <--
JP 3835796	B2	20061018		
GB 2391233	A	20040204	GB 2003-15387	20030701 <--
GB 2391233	B	20051005		

PRIORITY APPLN. INFO.: JP 2002-194095 A 20020703 <--

AB A room-temperature curable organopolysiloxane composition comprises: (A) 100 parts of a diorganopolysiloxane $Y(3-m)Si(R_m)A(SiR_2O)_nSiR_2OASi(R_m)Y(3-m)$ wherein, each R represents, an unsubstituted or substituted monovalent hydrocarbon group, each A represents an oxygen atom or a bivalent hydrocarbon group of 1 to 8 carbon atoms, each Y represents, independently, a hydroxyl group or a hydrolyzable group, m represents an integer from 0 to 2, and n represents a number which results in a viscosity at 25° for this diorganopolysiloxane of 20 to 1,000,000 mm²/s; (B) 0.5 to 20 parts of an organosilicon compound R_1aSiX_4-a , a partial hydrolysis-condensation product thereof, or a mixture of the two, wherein, each R₁ represents an unsubstituted or substituted monovalent hydrocarbon group of 1 to 6 carbon atoms, each X represents, independently, a hydrolyzable group, and a represents an integer from 0 to 2; and (C) 1 to 60 parts of an oxyalkylene group-containing organopolysiloxane. Application of this composition to an underwater structure is able to generate an antifouling coating that is effective in preventing the adhesion and growth of aquatic organisms on the surface of the underwater structure, and displays superior long term endurance of this antifouling effect.

IT 640291-90-3DP, Dimethylsilanediol-ethylene oxide block copolymer monoallyl ether, trimethylsilyl-terminated

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(room-temperature curable organopolysiloxane compns.)

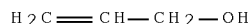
RN 640291-90-3 HCAPLUS

CN Silanediol, dimethyl-, polymer with oxirane, mono-2-propenyl ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 107-18-6

CMF C3 H6 O



CM 2

CRN 156309-06-7

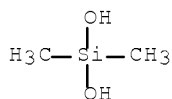
CMF (C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 4

CRN 75-21-8

CMF C2 H4 O



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L32 ANSWER 6 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2003:752773 HCAPLUS Full-text

DOCUMENT NUMBER: 139:277653

TITLE: Hydrophilized open-cell urethane foams for waste ink absorbers and plant beds and their manufacture

INVENTOR(S): Murata, Noboru

PATENT ASSIGNEE(S): San East Research Y. K., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003268064	A	20030925	JP 2002-121472	20020318 <--
PRIORITY APPLN. INFO.:			JP 2002-121472	20020318 <--

AB The foams, showing fast absorption of large amount of water, are manufactured by catalyzed reaction of polyisocyanates and hydroxy compds. of oxyethylene

unit (α) $\geq 20\%$ in the presence of (A) di-Me siloxane-polyoxyalkylenes of α (to oxyalkylene unit) $\geq 50\%$ and Mn of polyoxyalkylenes ≥ 900 and having C1-4 alkoxy and/or aliphatic acyloxy groups at oxyalkylene terminals and (B) di-Me siloxane-polyoxyalkylenes of $\alpha \geq 60\%$ and Mn of polyoxyalkylenes < 800 and having C1-4 alkoxy and/or acetoxy groups at oxyalkylene terminals. The polymer A work as foam stabilizers and the B do not. Thus, a sponge from oxirane-methyloxirane copolymer glycerol ether 30, polypropylene glycol glycerol ether 70, H₂O 4.5, and T 80 (TDI) 51.4 parts and containing 2.0 parts Me₃SiO(Me₂SiO)_m[MeSiO[C₃H₆O(C₂H₄O)_a(C₃H₆O)_bMe]]_nSiMe₃ (a/b 58:42, m/n 32:5) and 2.0 parts Me₃SiO(Me₂SiO)_m[MeSiO[C₃H₆O(C₂H₄O)_aMe]]_nSiMe₃ (m/n 18:15) showed d. 24 kg/m³, water absorption 91 g/(50 × 50 × 40 mm³), and good retention of absorbed water.

IT 183903-09-5

RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)

(foam stabilizers; hydrophilic urethane sponges showing fast absorption of large amount of water and containing two kinds of polyoxyalkylene-polysiloxanes)

RN 183903-09-5 HCAPLUS

CN Silanediol, 1,1-dimethyl-, polymer with 2-methyloxirane, 1-methylsilanediol and oxirane, methyl ether, block, graft (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

H₃C—OH

CM 2

CRN 157478-91-6

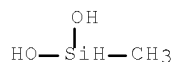
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)×

CCI PMS

CM 3

CRN 43641-90-3

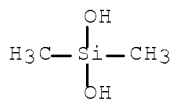
CMF C H6 O2 Si



CM 4

CRN 1066-42-8

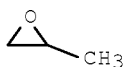
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8

CMF C2 H4 O



IT 172720-46-6

RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)

(hydrophilic urethane sponges showing fast absorption of large amount of water and containing two kinds of polyoxyalkylene-polysiloxanes)

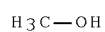
RN 172720-46-6 HCAPLUS

CN Silanediol, dimethyl-, polymer with methylsilanediol and oxirane, methyl ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

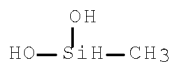


CM 2

CRN 172341-28-5
 CMF (C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x
 CCI PMS

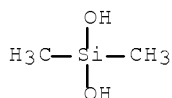
CM 3

CRN 43641-90-3
 CMF C H6 O2 Si



CM 4

CRN 1066-42-8
 CMF C2 H8 O2 Si



CM 5

CRN 75-21-8
 CMF C2 H4 O



L32 ANSWER 7 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2003:386796 HCAPLUS Full-text
 DOCUMENT NUMBER: 138:386715
 TITLE: Diene copolymers modified with polar polysiloxanes and
 their mechanically strong nanocomposites with
 inorganic fillers
 INVENTOR(S): Kim, Young-kyong; Han, Mi-jung
 PATENT ASSIGNEE(S): Korea Research Institute of Chemical Technology, S.
 Korea
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003147086	A	20030521	JP 2002-271335	20020918 <--
KR 2003024336	A	20030326	KR 2001-57443	20010918 <--
US 20030100652	A1	20030529	US 2002-244447	20020917 <--
PRIORITY APPLN. INFO.:			KR 2001-57443	A 20010918 <--

AB Diene copolymers are modified with HSiR1R2(OSiR3R10)l(OSiR5R6)mR4 [R1, R2, R3, R5 = Me, Ph; R4 = (CH2)nR7(R8O)pR9; R7 = direct bond, O, C1-5 alkylene, phenylene; R8 = (CH2)2, CHMeCH2; R9 = C1-20 alkyl, halo, COMe, SO2Me; R10 = same as R4, Me, Ph; l = 0-50; m = 1-500; n = 2-5; p = 0-100]. Thus, styrene-butadiene-styrene block copolymer was substituted with hydride-terminated polydimethylsiloxane-polyethylene glycol allyl Me ether block copolymer in the presence of Pt-1,3-divinyl-1,1,3,3-tetramethylsilane complex to give a modified block graft copolymer. Then, the modified copolymer was mixed with 5% organically modified montmorillonite (model 6A) and hot-pressed to give a nanocomposite sheet showing Young's modulus 6.3 MPa, tensile strength 37 MPa, and elongation at break 1150%.

IT 296261-62-6P
 RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
 (diblock, assumed monomers; diene copolymers modified with polar polysiloxanes mech. strong nanocomposites with inorg. fillers)

RN 296261-62-6 HCAPLUS

CN Silanediol, dimethyl-, polymer with oxirane, monomethyl ether, block (9CI)
 (CA INDEX NAME)

CM 1

CRN 67-56-1
 CMF C H4 O

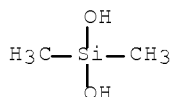
H₃C—OH

CM 2

CRN 156309-06-7
 CMF (C2 H8 O2 Si . C2 H4 O)x
 CCI PMS

CM 3

CRN 1066-42-8
 CMF C2 H8 O2 Si



CM 4

CRN 75-21-8

CMF C2 H4 O



IT 527733-48-8P, 1,3-Butadiene-dimethylsilanediol-oxirane-styrene
 block graft copolymer methyl ether
 RL: IMF (Industrial manufacture); POF (Polymer in formulation); PREP
 (Preparation); USES (Uses)
 (rubber, comprised of actual and assumed monomers, nanocomposites;
 diene copolymers modified with polar polysiloxanes mech. strong
 nanocomposites with inorg. fillers)

RN 527733-48-8 HCAPLUS

CN Silanediol, dimethyl-, polymer with 1,3-butadiene, ethenylbenzene and
 oxirane, methyl ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

H₃C—OH

CM 2

CRN 527733-47-7

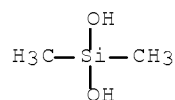
CMF (C8 H8 . C4 H6 . C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 1066-42-8

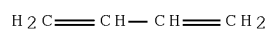
CMF C2 H8 O2 Si



CM 4

CRN 106-99-0

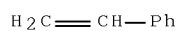
CMF C4 H6



CM 5

CRN 100-42-5

CMF C8 H8



CM 6

CRN 75-21-8

CMF C2 H4 O

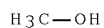


IT 527733-48-8DP, hydrogenated
 RL: IMF (Industrial manufacture); PREP (Preparation)
 (rubber, comprised of actual and assumed monomers; diene copolymers
 modified with polar polysiloxanes mech. strong nanocomposites with
 inorg. fillers)
 RN 527733-48-8 HCAPLUS
 CN Silanediol, dimethyl-, polymer with 1,3-butadiene, ethenylbenzene and
 oxirane, methyl ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

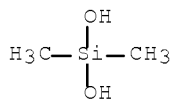


CM 2

CRN 527733-47-7
 CMF (C8 H8 . C4 H6 . C2 H8 O2 Si . C2 H4 O)x
 CCI PMS

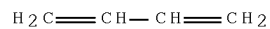
CM 3

CRN 1066-42-8
 CMF C2 H8 O2 Si



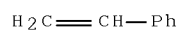
CM 4

CRN 106-99-0
 CMF C4 H6



CM 5

CRN 100-42-5
 CMF C8 H8



CM 6

CRN 75-21-8
 CMF C2 H4 O



TITLE: Quasi-solid-state nanocrystalline TiO₂ solar cells
using gel network polymer electrolytes based on
polysiloxanes

AUTHOR(S): Li, Weiyang; Kang, Junjie; Li, Xueping; Fang, Shibi;
Lin, Yuan; Wang, Guiqiang; Xiao, Xurui

CORPORATE SOURCE: Center for Molecular Science, Institute of Chemistry,
Chinese Academy of Sciences, Beijing, 100080, Peop.
Rep. China

SOURCE: Chinese Science Bulletin (2003), 48(7), 646-648
CODEN: CSBUEF; ISSN: 1001-6538

PUBLISHER: Science in China Press

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A quasi-solid state, dye-sensitized nanocryst. porous TiO₂ film, solar cell
was fabricated using a novel gel network polymer electrolyte based on
polysiloxanes with polyethylene oxide internal plasticized side chains and
quaternary ammonium groups. The cell had good photoelec. conversion
performance under 60 mW/cm² irradiation with a short-circuit photocurrent of
5.0 mA/cm² and open circuit voltage of 0.68 V. The energy conversion
efficiency was 3.4 % and the fill factor, 0.60.

IT 183903-09-5

RL: DEV (Device component use); USES (Uses)
(quasi-solid state nanocryst. TiO₂ solar cells with gel network polymer
electrolytes based on polysiloxanes)

RN 183903-09-5 HCAPLUS

CN Silanediol, 1,1-dimethyl-, polymer with 2-methyloxirane,
1-methylsilanediol and oxirane, methyl ether, block, graft (CA INDEX
NAME)

CM 1

CRN 67-56-1

CMF C H4 O

H₃C—OH

CM 2

CRN 157478-91-6

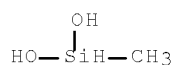
CMF (C₃ H₆ O . C₂ H₈ O₂ Si . C₂ H₄ O . C H₆ O₂ Si)x

CCI PMS

CM 3

CRN 43641-90-3

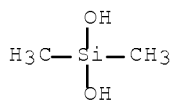
CMF C H₆ O₂ Si



CM 4

CRN 1066-42-8

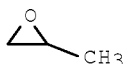
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8

CMF C2 H4 O



REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L32 ANSWER 9 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2003:309210 HCAPLUS Full-text

DOCUMENT NUMBER: 138:326278

TITLE: Makeup cosmetics containing nonaqueous polymer dispersions

INVENTOR(S): Yamazaki, Kazunori; Miura, Yoshimasa; Ogura, Yoshihito; Aso, Daisuke; Takada, Sadaki; Sato, Fumitaka

PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 22 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 2003119110	A	20030423	JP 2002-199566	20020709 <--
PRIORITY APPLN. INFO.:			JP 2001-242617	A 20010809 <--
OTHER SOURCE(S):	MARPAT 138:326278			

AB Makeup cosmetics contain 1-20 weight% nonaq. polymer dispersions in which polymers are dispersed in volatile silicones and 1-20 weight% aqueous polymer emulsions. Alternatively, the makeup cosmetics contain the nonaq. polymer dispersions 1-40, polyether-modified silicones 0.5-20, and inorg. powders 3-60 weight%. An O/W emulsion foundation containing 10 weight% aqueous emulsion containing 50 weight% Me methacrylate-Bu acrylate-2-ethylhexyl acrylate copolymer, 10 weight% nonaq. dispersion prepared by polymerization of Me methacrylate and Et acrylate in decamethylcyclopentasiloxane containing a polymerization initiator and a dispersion stabilizer, pigment powders, etc., showed good water and oil repellency and gave a good feel to the skin.

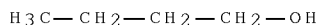
IT 259131-96-9, Dimethylsilanediol-ethylene oxide-propylene oxide block copolymer dibutyl ether
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (assumed monomers; makeup cosmetics containing nonaq. polymer dispersions in volatile silicones)

RN 259131-96-9 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane and oxirane, dibutyl ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 71-36-3
 CMF C4 H10 O

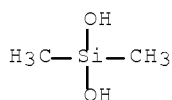


CM 2

CRN 156309-05-6
 CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O)x
 CCI PMS

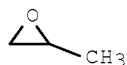
CM 3

CRN 1066-42-8
 CMF C2 H8 O2 Si



CM 4

CRN 75-56-9
CMF C3 H6 O



CM 5

CRN 75-21-8
CMF C2 H4 O



L32 ANSWER 10 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2003:147903 HCAPLUS Full-text
 DOCUMENT NUMBER: 138:192874
 TITLE: Compositions containing silicone oil and water
 INVENTOR(S): Saito, Akihiko
 PATENT ASSIGNEE(S): Nippon Shikizai Inc., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003055144	A	20030226	JP 2001-247784	20010817 <--
PRIORITY APPLN. INFO.:			JP 2001-247784	20010817 <--

AB The invention relates to a composition, especially a W/O emulsion, having improved use feel and storage stability, suitable for use in a cosmetic, wherein the composition contains (1) a silicone oil 5-60, (2) polyoxyalkylene organopolysiloxane (I) R₂(R₁)(R₁)SiO[(R₁)(R₁)SiO]_m(R₁)(R₁)SiR₂ [R₁ = C1-5 alkyl, Ph; R₂ = QO(C₂H₄)_a(C₃H₆O)_bR₃, (C₂H₄)_a(C₃H₆O)_bR₃ (Q = C1-5 alkylene; R₃ = H, C1-5 alkyl, acetyl; a = 1-50, b = 0-50); m = 10-150] 2-30, (3) a polyalc. 5-60; (4) a salt 0.1-10, and (5) water. A W/O emulsion composition containing decamethylcyclopentasiloxane 5, polyoxyalkylene organopolysiloxane [I (R₁ = Me, Q = propylene; R₃ = H; a = 9-13; b = 0; m = 50-70)] 20, 1,3-butylene glycol 43, magnesium sulfate 1, and water balance to 100 % was prepared

IT 180468-43-3
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (compns. containing silicone oils, polyoxyalkylene organopolysiloxanes, polyalcs., and salts)

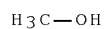
RN 180468-43-3 HCAPLUS
 CN Silanediol, dimethyl-, polymer with oxirane, methyl ether, block (9CI)

(CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O



CM 2

CRN 156309-06-7

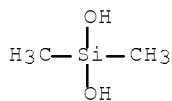
CMF (C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 4

CRN 75-21-8

CMF C2 H4 O



L32 ANSWER 11 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2003:47250 HCAPLUS Full-text

DOCUMENT NUMBER: 138:91112

TITLE: Agricultural covering materials with excellent antifogging properties and no surface stickiness

INVENTOR(S): Ihara, Toshiaki; Ichinohe, Shoji; Nishikata, Akira; Nakagawa, Yasuhiro

PATENT ASSIGNEE(S): Shin-Etsu Chemical Industry Co., Ltd., Japan; C. I. Kasei Co., Ltd.

SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003018922	A	20030121	JP 2001-206276	20010706 <--
PRIORITY APPLN. INFO.:			JP 2001-206276	20010706 <--

AB The covering materials contain organopolysiloxanes having ≥ 1 hydrophilic group and 3-dimensionally crosslinked organopolysiloxane structure. Master pellets containing 3-50% of the hydrophilic organopolysiloxanes used for the covering materials are also claimed. Thus, 95 g $\text{CH}_2\text{:CHCH}_2\text{O}(\text{C}_2\text{H}_4\text{O})_9\text{H}$ and 292 g of a 50% PhMe solution of $[\text{Q}_3\text{SiO}_{1/2}]_{0.85}(\text{SiO}_4/2)$ ($\text{Q} = \text{Me, vinyl}$) were added to PhMe containing 75 g $\text{Me}_3\text{SiO}(\text{SiHMeO})_5(\text{SiMe}_2\text{O})_{10}\text{SiMe}_3$ and Pt catalyst to give a hydrophilic organopolysiloxane (I). PVC 100, epoxy resin 2, DOP 45, tricresyl phosphate 5, Ba-Zn stabilizer 2.7, hydrotalcite 5, sorbitan monostearate 2, lubricant 0.5, UV absorber 0.1, and I 0.2 part were mixed and made into a film showing long-lasting antifogging properties and nonstickiness.

IT 180468-43-3DP, reaction products with hydrogen-containing MQ resins
 RL: AGR (Agricultural use); IMF (Industrial manufacture); MOA (Modifier or additive use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (agricultural films containing hydrophilic organopolysiloxanes with good antifogging properties and no surface stickiness)

RN 180468-43-3 HCAPLUS

CN Silanediol, dimethyl-, polymer with oxirane, methyl ether, block (9CI)
 (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

$\text{H}_3\text{C}-\text{OH}$

CM 2

CRN 156309-06-7

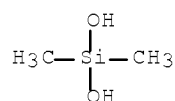
CMF $(\text{C}_2\text{H}_8\text{O}_2\text{Si} \cdot \text{C}_2\text{H}_4\text{O})_x$

CCI PMS

CM 3

CRN 1066-42-8

CMF $\text{C}_2\text{H}_8\text{O}_2\text{Si}$



CM 4

CRN 75-21-8

CMF C2 H4 O



L32 ANSWER 12 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2002:794326 HCAPLUS Full-text
 DOCUMENT NUMBER: 137:317962
 TITLE: Inks comprising linear block copolymers of alkylene
 oxide and siloxane for ink-jet printing
 INVENTOR(S): Lin, John Wei-ping
 PATENT ASSIGNEE(S): Xerox Corporation, USA
 SOURCE: U.S. Pat. Appl. Publ., 24 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20020151619	A1	20021017	US 2001-776515	20010202 <--
US 6528557	B2	20030304		
JP 2002309144	A	20021023	JP 2002-25665	20020201 <--
PRIORITY APPLN. INFO.:			US 2001-776515	A 20010202 <--

AB Disclosed is an ink composition comprising water, a colorant, and a linear ASBS'A' block copolymer (A and A' = blocks comprising one or more repeat monomer units of ethylene oxide, propylene oxide, or random or alternating mixts. of ethylene oxide and propylene oxide; B = a block comprising one or more repeat monomer units of an alkylsiloxane, a dialkylsiloxane, an alkyl aryl siloxane, a diarylsiloxane, or mixts.; S = an optional spacer group between the A and B blocks; and S' = an optional spacer group between the B and A' blocks). Also disclosed is a multicolor ink jet printing process using the ink, which dry time is reduced and/or intercolor bleed is reduced.

IT 296261-62-6 471843-63-7
 RL: TEM (Technical or engineered material use); USES (Uses)
 (inks comprising linear block copolymers of alkylene oxide and siloxane for ink-jet printing)

RN 296261-62-6 HCAPLUS

CN Silanediol, dimethyl-, polymer with oxirane, monomethyl ether, block (9CI)
 (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

H₃C—OH

CM 2

CRN 156309-06-7

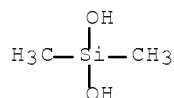
CMF (C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 4

CRN 75-21-8

CMF C2 H4 O



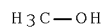
RN 471843-63-7 HCAPLUS

CN Silanediol, dimethyl-, polymer with oxirane, dimethyl ether, block (9CI)
(CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O



CM 2

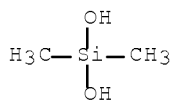
CRN 156309-06-7

CMF (C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 4

CRN 75-21-8
CMF C2 H4 O



L32 ANSWER 13 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2002:736159 HCAPLUS Full-text
 DOCUMENT NUMBER: 137:264558
 TITLE: Silicone antifoaming agents
 INVENTOR(S): Zeng, Jianren
 PATENT ASSIGNEE(S): Dow Corning Asia Ltd., Japan
 SOURCE: PCT Int. Appl., 31 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002074407	A2	20020926	WO 2002-JP2722	20020320 <--
WO 2002074407	A3	20031204		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2002241267	A1	20021003	AU 2002-241267	20020320 <--
EP 1387721	A2	20040211	EP 2002-707124	20020320 <--
EP 1387721	B1	20050518		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,			

IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

BR 2002008314	A	20040309	BR 2002-8314	20020320 <--
CN 1538865	A	20041020	CN 2002-806937	20020320 <--
CN 1265862	C	20060726		
JP 2004532720	T	20041028	JP 2002-573114	20020320 <--
AT 295756	T	20050615	AT 2002-707124	20020320 <--
ES 2239220	T3	20050916	ES 2002-707124	20020320 <--
KR 819721	B1	20080407	KR 2003-712226	20030919 <--
US 20040122113	A1	20040624	US 2004-472452	20040210 <--
US 7294653	B2	20071113		

PRIORITY APPLN. INFO.:

JP 2001-81016 A 20010321 <--

WO 2002-JP2722 W 20020320 <--

AB Silicone antifoaming agent of the present invention demonstrates excellent antifoaming effect with regard to aqueous foaming systems, and is especially suitable for use in conjunction with inks where it significantly suppresses development of cissing during use of ink. The silicone antifoaming agent is characterized by comprising a polyoxyalkylene-modified silicone that has (CH₂)_rO(C₃H₆O)_sQ and (CH₂)_rO(C₂H₄O)_sQ groups [Q = H, C1-18 alkyl, acyl, (substituted) amino, or NCO; r = 2-6; s = 5-50] and contains 10 to 200 diorganosiloxane units in one mol., said polyoxyalkylene-modified silicone satisfying the following conditions: $3 \leq E \leq 90$ and $0.01 \leq E/(E + P) \leq 0.45$, wherein P is the total number of C₃H₆O units and E is the total number of C₂H₄O units contained in one mol. such as reaction product of Me₃SiO(SiMe₂O)₅₅(SiHMeO)₇SiMe₃ with CH₂:CHCH₂O(C₂H₄O)₁₁Me and CH₂:CHCH₂O(C₃H₆O)₂₄Me.

IT 183253-23-8F, Dimethylsilanediol-ethylene oxide-propylene oxide block copolymer methyl ether

RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)

(polyoxyalkylene-modified silicone antifoaming agents for water-thinned inks)

RN 183253-23-8 HCAPLUS

CN Silanediol, 1,1-dimethyl-, polymer with 2-methyloxirane and oxirane, methyl ether, block (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

H₃C—OH

CM 2

CRN 156309-05-6

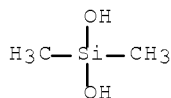
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 1066-42-8

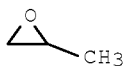
CMF C2 H8 O2 Si



CM 4

CRN 75-56-9

CMF C3 H6 O



CM 5

CRN 75-21-8

CMF C2 H4 O



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

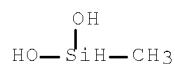
L32 ANSWER 14 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2002:676082 HCAPLUS Full-text
 DOCUMENT NUMBER: 137:201750
 TITLE: Method for treating polyether-siloxanes
 INVENTOR(S): Burkhardt, Georg; Knott, Wilfried; Moehring, Volker
 PATENT ASSIGNEE(S): Goldschmidt A.-G., Germany
 SOURCE: PCT Int. Appl., 19 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002068506	A1	20020906	WO 2002-EP986	20020131 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,				

ZA, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
 CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 AU 2002244689 A1 20020912 AU 2002-244689 20020131 <--
 US 20020161158 A1 20021031 US 2002-83763 20020225 <--
 EP 1431331 A1 20040623 EP 2002-28830 20021221 <--
 EP 1431331 B1 20060322
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK
 AT 321087 T 20060415 AT 2002-28830 20021221 <--
 US 20040132951 A1 20040708 US 2003-740064 20031218 <--
 PRIORITY APPLN. INFO.: DE 2001-10109419 A 20010227 <--
 WO 2002-EP986 W 20020131 <--
 EP 2002-28830 A 20021221 <--
 AB The invention relates to a method for treating polysiloxane-polyoxyalkylene
 block copolymers to control their surfactant properties. The method is
 characterized in that said copolymers are subjected to a superheated steam
 treatment to remove cyclosiloxanes and smelly propionaldehyde (formed during
 the reaction of polyoxyalkylene allyl ethers with SiH-terminated
 polysiloxanes).
 IT 183903-09-5P, Dimethylsilanediol-ethylene
 oxide-methylsilanediol-propylene oxide block graft copolymer methyl ether
 RL: PUR (Purification or recovery); PREP (Preparation)
 (treating polyether-siloxanes with superheated steam to remove
 propionaldehyde and cyclosiloxanes)
 RN 183903-09-5 HCAPLUS
 CN Silanediol, 1,1-dimethyl-, polymer with 2-methyloxirane,
 1-methylsilanediol and oxirane, methyl ether, block, graft (CA INDEX
 NAME)
 CM 1
 CRN 67-56-1
 CMF C H4 O

H₃C—OH

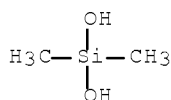
CM 2
 CRN 157478-91-6
 CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x
 CCI PMS
 CM 3
 CRN 43641-90-3
 CMF C H6 O2 Si



CM 4

CRN 1066-42-8

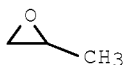
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8

CMF C2 H4 O



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L32 ANSWER 15 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2002:387560 HCAPLUS Full-text

DOCUMENT NUMBER: 136:393190

TITLE: Heat-developable photographic film for laser imaging and its processing method

INVENTOR(S): Goto, Shigeto

PATENT ASSIGNEE(S): Konica Co., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 29 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002148756	A	20020522	JP 2000-343080	20001110 <--
PRIORITY APPLN. INFO.:			JP 2000-343080	20001110 <--

AB The invention relates to a heat-developable photog. film suitable for laser imaging in printing platemaking and x-ray radiog. fields, wherein the heat-developable photog. film includes a first backcoat layer containing fluoro-surfactants and a second backcoat layer containing silicon-surfactants. The backcoat layers include a compound RfSO3M (Rf = F-containing aliphatic; M = alkali metal) and a cellulose ester. The photog. film, suitable for printing platemaking, is processed at a transportation rate of 22-40 mm/s.

IT 296261-62-6
 RL: DEV (Device component use); USES (Uses)
 (star block; surfactant in backcoat layer of heat-developable photog. film suitable for printing platemaking by laser imaging)

RN 296261-62-6 HCAPLUS

CN Silanediol, dimethyl-, polymer with oxirane, monomethyl ether, block (9CI)
 (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

$$\text{H}_3\text{C}-\text{OH}$$

CM 2

CRN 156309-06-7

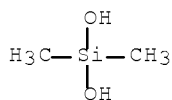
CMF (C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 4

CRN 75-21-8

CMF C2 H4 O



L32 ANSWER 16 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2001:918908 HCAPLUS Full-text
 DOCUMENT NUMBER: 136:56207
 TITLE: Lubricant composition
 INVENTOR(S): Kawata, Ken; Fuwa, Yoshio; Ueda, Fumio; Miyata, Hitoshi; Iisaka, Hirofumi
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan; Toyota Jidosha Kabushiki Kaisha
 SOURCE: Eur. Pat. Appl., 21 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1164182	A1	20011219	EP 2001-113561	20010613 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002069472	A	20020308	JP 2001-173450	20010608 <--
US 20020147117	A1	20021010	US 2001-880962	20010615 <--
US 6528460	B2	20030304		
PRIORITY APPLN. INFO.:			JP 2000-180303	A 20000615 <--
			JP 2001-173450	A 20010608 <--

OTHER SOURCE(S): MARPAT 136:56207

AB It is an object of the present invention to provide a practical lubricant composition excellent in wear resistance, extreme pressure properties and low friction properties for mech. friction sliding members. The present invention provides a lubricant composition containing, as the major ingredient, preferably a compound of triazine structure: (R-X-) m-D wherein D is a heterocyclic residue of 5- to 7-membered cyclic structure positioned at the center of the mol., or compound residue of cyclic structure with "m" radiating side chains; X is a single bond, group shown by NR1 (R1 is an alkyl group having a carbon number of 1 to 30 or hydrogen atom), oxygen atom, sulfur atom, carbonyl group, sulfonyl group, or a combination thereof forming a divalent coupling group; R is an alkyl, alkenyl, alkynyl, aryl or heterocyclic group; and "m" is an integer of 3 to 11.

IT 381234-22-6

RL: MOA (Modifier or additive use); USES (Uses)
 (lubricant composition containing triazine derivs.)

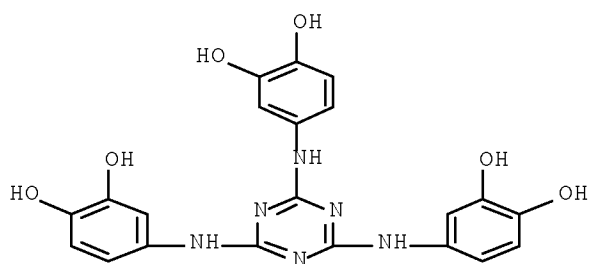
RN 381234-22-6 HCAPLUS

CN Silanediol, dimethyl-, polymer with oxirane, ether with
 4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tris[1,2-benzenediol] (6:1),
 hexamethyl ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 381234-21-5

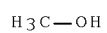
CMF C21 H18 N6 O6



CM 2

CRN 67-56-1

CMF C H4 O



CM 3

CRN 156309-06-7

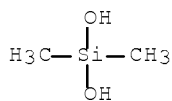
CMF (C2 H8 O2 Si . C2 H4 O) x

CCI PMS

CM 4

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 5

CRN 75-21-8

CMF C2 H4 O



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L32 ANSWER 17 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2001:769265 HCAPLUS Full-text
 DOCUMENT NUMBER: 135:322544
 TITLE: Storage-stable water-in-oil emulsion cosmetics
 containing polyether-modified silicones and fatty acid
 derivatives
 INVENTOR(S): Yamamoto, Takeshi; Shoji, Hiroaki; Ando, Eiji
 PATENT ASSIGNEE(S): Nippon Unicar Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001294512	A	20011023	JP 2000-110241	20000412 <--
PRIORITY APPLN. INFO.:			JP 2000-110241	20000412 <--

AB The cosmetics contain oily bases containing ≥ 30 weight% linear silicone oils, polyether-modified silicones
 $R_2O(C_3H_6O)_b(C_2H_4O)_aY_1(SiR_1R_2O)m_1SiR_1R_2Y_1O(C_2H_4O)_a(C_3H_6O)_bR_2$,
 $R_2O(C_3H_6O)_b(C_2H_4O)_aY_1(SiR_1R_2O)m_1[SiR_1[Y_1O(C_2H_4O)_a(C_3H_6O)_bR_2]O]_nSiR_1R_2Y_1O(C_2H_4O)_a(C_3H_6O)_bR_2$, and/or $[(SiR_1R_2O)m_2SiR_1R_2Y_2O(C_2H_4O)_c(C_3H_6O)_dY_2]_l$ [R_1 = saturated aliphatic hydrocarbyl; R_2 = H, C1-6 alkyl, acetoxy; Y_1 , Y_2 = divalent organic group; m_1 = 1-500; m_2 = 1-300; n = 1-100; l = 2-20; a , b , c , d = 0-50; $a + b \geq 2$; $c + d \geq 2$] as emulsifying agents, C10-20 (un)saturated fatty acid polyvalent metal salts and/or dextrin fatty acid esters as auxiliary emulsifying agents, and H₂O. A skin cream containing di-Me polysiloxane-polyoxyalkylene copolymer 3.0, Al distearate 0.4, squalane 5, di-Me polysiloxane 7, Me Ph polysiloxane 3, neopentyl glycol dioctanoate 3, MgSO₄ 0.7, glycerin 10, methylparaben 0.1, perfume 0.1, and H₂O to 100 weight% showed no separation after 1-wk storage at room temperature, -5°, or -40°, was not sticky, and spread well on the skin.

IT 183903-09-5 361438-68-8
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (storage-stable water-in-oil emulsion cosmetics containing
 polyether-modified silicones and fatty acid derivs.)

RN 183903-09-5 HCAPLUS

CN Silanediol, 1,1-dimethyl-, polymer with 2-methyloxirane,
 1-methylsilanediol and oxirane, methyl ether, block, graft (CA INDEX
 NAME)

CM 1

CRN 67-56-1

CMF C H4 O

H₃C—OH

CM 2

CRN 157478-91-6

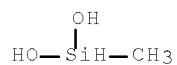
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x

CCI PMS

CM 3

CRN 43641-90-3

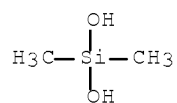
CMF C H6 O2 Si



CM 4

CRN 1066-42-8

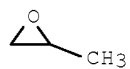
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8

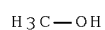
CMF C2 H4 O



RN 361438-68-8 HCAPLUS
 CN Silanediol, dimethyl-, polymer with methyloxirane and oxirane, dimethyl
 ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 67-56-1
 CMF C H4 O

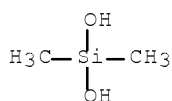


CM 2

CRN 156309-05-6
 CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O)x
 CCI PMS

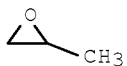
CM 3

CRN 1066-42-8
 CMF C2 H8 O2 Si



CM 4

CRN 75-56-9
 CMF C3 H6 O



CM 5

CRN 75-21-8
 CMF C2 H4 O



L32 ANSWER 18 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2001:767584 HCAPLUS Full-text
 DOCUMENT NUMBER: 135:322538
 TITLE: Stable water-in-oil emulsion compositions containing
 silicone oils and emulsifiers
 INVENTOR(S): Yamamoto, Takeshi; Shoji, Hiroaki; Ando, Eiji
 PATENT ASSIGNEE(S): Nippon Unicar Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 17 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001294753	A	20011023	JP 2000-110240	20000412 <--
PRIORITY APPLN. INFO.:			JP 2000-110240	20000412 <--

AB This invention relates to cosmetic emulsions comprising (1) an oily base containing polysiloxanes, (2) polyether-modified polysiloxanes as emulsifiers, (3) polyhydric alcs. as auxiliary emulsifiers, and (4) water. The emulsions moisturize and refresh the skin and hair without oily stickiness and remain stable for a long time. A skin cream contained dimethylpolysiloxane 3, paraffin oils 1, isononyl isononanoate 1, cetanol 0.5, behenyl alc. 0.5, isostearyl alc. 0.5, dimethylsilanediol-ethylene oxide-propylene oxide block graft copolymer 3, glycerin 3.5, and distilled water 87.5 %.

IT 183903-09-5D, trimethylsilyl-terminated
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (stable water-in-oil emulsion compns. containing silicone oils and emulsifiers)

RN 183903-09-5 HCAPLUS

CN Silanediol, 1,1-dimethyl-, polymer with 2-methyloxirane, 1-methylsilanediol and oxirane, methyl ether, block, graft (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

H3C—OH

CM 2

CRN 157478-91-6

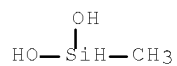
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x

CCI PMS

CM 3

CRN 43641-90-3

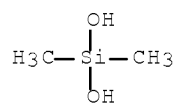
CMF C H6 O2 Si



CM 4

CRN 1066-42-8

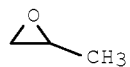
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8

CMF C2 H4 O



TITLE: Thermosetting resin compositions and methods for prevention of dew formation
 INVENTOR(S): Yugaki, Yoshikazu; Shoji, Hiroaki
 PATENT ASSIGNEE(S): Nippon Unicar Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001262131	A	20010926	JP 2000-75745	20000317 <--
PRIORITY APPLN. INFO.:			JP 2000-75745	20000317 <--

AB The compns. contain polyorganosiloxane-polyoxyalkylene copolymers and thermosetting resins. Thus, 100 parts of a thermoplastic resin prepared from 10 parts colloidal silica and 45 parts methyltriethoxysilane, 10 parts Me(SiMe₂O)₄SiMe[C₃H₆O(C₂H₄O)₇(C₃H₆O)₃Me]OSiMe₃, and 500 parts toluene were mixed to give a composition, which prevented dew formation and fogging for 16 days after spraying on automotive window glass.

IT 361438-68-8
 RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (thermosetting resin compns. containing polyorganosiloxane-polyoxyalkylenes for dew prevention and antifogging)

RN 361438-68-8 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane and oxirane, dimethyl ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

H₃C—OH

CM 2

CRN 156309-05-6

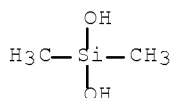
CMF (C₃ H₆ O . C₂ H₈ O₂ Si . C₂ H₄ O)x

CCI PMS

CM 3

CRN 1066-42-8

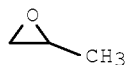
CMF C₂ H₈ O₂ Si



CM 4

CRN 75-56-9

CMF C3 H6 O



CM 5

CRN 75-21-8

CMF C2 H4 O



L32 ANSWER 20 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2001:489204 HCAPLUS Full-text
 DOCUMENT NUMBER: 135:97441
 TITLE: Devices for the delivery of drugs having
 antiprogesterinic properties
 INVENTOR(S): Jukarainen, Harri; Markkula, Tommi; Ala-Sorvari, Juha;
 Lehtinen, Matti; Ruohonen, Jarkko; Haapakumpu, Timo
 PATENT ASSIGNEE(S): Leiras Oy, Finland
 SOURCE: PCT Int. Appl., 73 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001047490	A1	20010705	WO 2000-FI1013	20001121 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
TW 248367	B	20060201	TW 2000-89123574	20001108 <--

10/540,816

January 7, 2009

CA 2395226	A1	20010705	CA 2000-2395226	20001121 <--
BR 2000016697	A	20020903	BR 2000-16697	20001121 <--
EP 1239829	A1	20020918	EP 2000-979701	20001121 <--
EP 1239829	B1	20080723		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

HU 2002004015	A2	20030528	HU 2002-4015	20001121 <--
HU 2002004015	A3	20040628		
JP 2003518482	T	20030610	JP 2001-548085	20001121 <--
EE 200200349	A	20030815	EE 2002-349	20001121 <--
NZ 519876	A	20040227	NZ 2000-519876	20001121 <--
RU 2228170	C2	20040510	RU 2002-119587	20001121 <--
AU 781555	B2	20050602	AU 2001-17102	20001121 <--
CN 100346772	C	20071107	CN 2000-817414	20001121 <--
AT 401859	T	20080815	AT 2000-979701	20001121 <--
ZA 2002003620	A	20030507	ZA 2002-3620	20020507 <--
MX 2002PA06174	A	20021205	MX 2002-PA6174	20020620 <--
NO 2002003012	A	20020809	NO 2002-3012	20020621 <--
KR 850548	B1	20080806	KR 2002-708236	20020624 <--

PRIORITY APPLN. INFO.:

US 1999-472126	A	19991223 <--
WO 2000-FI1013	W	20001121 <--

AB A device for the controlled release over a prolonged period of time of a drug having antiprogesterinic properties comprises a core containing a drug and optionally a membrane encasing said core, wherein said core and/or membrane is made of a siloxane-based elastomer composition comprising at least one elastomer and possibly a non-crosslinked polymer. The device is characterized in that the elastomer composition comprises poly(alkylene oxide) groups and that the poly(alkylene oxide) groups are present in the elastomer or polymer as alkoxy-terminated grafts of polysiloxane units, or as blocks, the said grafts or blocks being linked to the polysiloxane units by silicon-carbon bonds, or as a mixture of these forms. For example, an antiprogesterin-containing implants were prepared using a membrane and a core. The membrane was prepared using 99 parts silica-filled poly(dimethylsiloxane-co-vinylmethylsiloxane) and 0.6 parts of poly(hydrogen Me siloxane-co-dimethyl siloxane) crosslinker. The core was prepared using 100 parts of com. poly-(dimethylsiloxane-co-vinylmethylsiloxane) and 0.4 parts of poly-(hydrogen Me siloxane-co-dimethylsiloxane) crosslinker. The membrane tubes (length 50 mm) were swelled with cyclohexane and the cores were inserted. Cyclohexane was allowed to evaporate and ends were closed with a silicone adhesive. After 24 h the ends were cut to give 2 mm end-caps.

IT 348078-75-1P

RL: DEV (Device component use); POF (Polymer in formulation); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(devices for controlled-release delivery of antiprogesterin drugs)

RN 348078-75-1 HCAPLUS

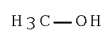
CN Silanediol, dimethyl-, polymer with

α -(dimethylsilyl)- ω -
[(dimethylsilyl)oxy]poly[oxy(dimethylsilylene)], methylsilanediol, oxirane
and α -2-propenyl- ω -(2-propenyloxy)poly(oxy-1,2-ethanediyl),
methyl ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O



CM 2

CRN 348078-74-0

CMF $(\text{C}_2 \text{ H}_8 \text{ O}_2 \text{ Si} \cdot (\text{C}_2 \text{ H}_6 \text{ O Si})_n \text{ C}_4 \text{ H}_{14} \text{ O Si}_2 \cdot (\text{C}_2 \text{ H}_4 \text{ O})_n \text{ C}_6 \text{ H}_{10} \text{ O} \cdot \text{C}_2 \text{ H}_4 \text{ O} \cdot \text{C H}_6 \text{ O}_2 \text{ Si})_x$

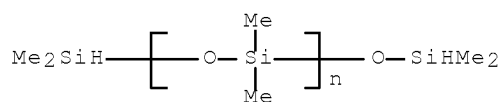
CCI PMS

CM 3

CRN 115254-29-0

CMF $(\text{C}_2 \text{ H}_6 \text{ O Si})_n \text{ C}_4 \text{ H}_{14} \text{ O Si}_2$

CCI PMS

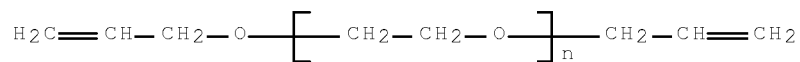


CM 4

CRN 59788-01-1

CMF $(\text{C}_2 \text{ H}_4 \text{ O})_n \text{ C}_6 \text{ H}_{10} \text{ O}$

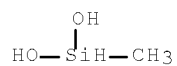
CCI PMS



CM 5

CRN 43641-90-3

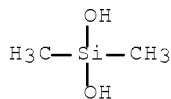
CMF $\text{C H}_6 \text{ O}_2 \text{ Si}$



CM 6

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 7

CRN 75-21-8

CMF C2 H4 O



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L32 ANSWER 21 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2001:143701 HCAPLUS [Full-text](#)

DOCUMENT NUMBER: 134:194316

TITLE: Epoxy resin-based underfills for flip-chip bonding of semiconductor bare chips and thus-packaged products

INVENTOR(S): Sumida, Kazumasa; Kumagaya, Kimitaka; Wakao, Ko; Shiohara, Toshio

PATENT ASSIGNEE(S): Shin-Etsu Chemical Industry Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

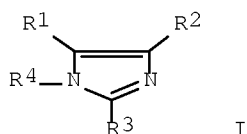
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2001055488	A	20010227	JP 2000-165578	20000602 <--
US 6429238	B1	20020806	US 2000-590081	20000609 <--
PRIORITY APPLN. INFO.:			JP 1999-163513	A 19990610 <--
OTHER SOURCE(S):	MARPAT	134:194316		

GI



AB The underfills comprise liquid epoxy resins, inorg. fillers, curing accelerators I (R1, R2 = H, Me, Et, CH2OH, Ph; R3 = Me, Et, Ph, aryl; R4 = H, 3,5-diamino-2,4,6-triazinylethyl) satisfying solubility to the epoxy resins $\leq 1\%$, m.p. $\geq 170^\circ$, average and the maximum grain size (ϕ , ϕ_{\max}) $\leq 5 \mu\text{m}$ and $\leq 20 \mu\text{m}$, resp., and ≥ 1 (/mol.)-NH-containing polyoxyalkylene-polysiloxanes R5(R52SiO)a[R5[R7[CH2C(OH)HCH2]dY]SiO]b(R5R6SiO)cSiR53 [R5 = C1-6 hydrocarbyl; R6 = C1-6 hydrocarbyl, ≥ 1 -NH-containing monovalent group; R7 = C1-10 bivalent linkage or ≥ 1 -NH-containing bivalent linkage; Y = (OCH2CH2)e(OCH2CHMe)fOR8 (R8 = C1-6 hydrocarbyl; e = 0-25; f = 5-50; e/f ≤ 1 ; e + f = 10-50); a = 10-200; b = 1-10; c = 0-10; d = 0, 1]. Thus, an underfill comprising RE 303S-L (bisphenol F-based epoxy resin) 98, Me3SiO(Me2SiO)27[Me[(CH2)3NHCH2CH2NHCH2C(OH)HCH2(OCH2CH2)20(OCH2CHMe)2OOC4H9]SiO]3Me[(CH2)3NHCH2CH2NH2]SiOSiMe3 2, SO 32H (silica) 150, and SP4MHZ-PW (2-phenyl-4,5-dihydroxymethylimidazole; ϕ 3.8, ϕ_{\max} 15) 3 parts was dripped on a bump-formed semiconductor chip and cured to give a sealed semiconductor chip showing void ratio 0.05%.

IT 186672-60-6D, trimethylsilyl-terminated
 RL: MOA (Modifier or additive use); PRP (Properties); RCT (Reactant); RACT (Reactant or reagent); USES (Uses)
 (epoxy resin underfills containing imidazole derivs. and amino-modified polyoxyalkylene-polysiloxanes for flip-chip semiconductor bonding)

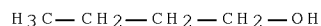
RN 186672-60-6 HCAPLUS

CN Silanediol, 1,1-dimethyl-, polymer with 2-methyloxirane and oxirane, butyl ether, block (CA INDEX NAME)

CM 1

CRN 71-36-3

CMF C4 H10 O



CM 2

CRN 156309-05-6

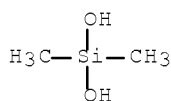
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 1066-42-8

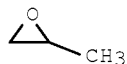
CMF C2 H8 O2 Si



CM 4

CRN 75-56-9

CMF C3 H6 O



CM 5

CRN 75-21-8

CMF C2 H4 O



L32 ANSWER 22 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2000:822642 HCAPLUS Full-text

DOCUMENT NUMBER: 134:14309

TITLE: Water-based pesticidal composition containing
polyether-modified silicone

INVENTOR(S): Sakuta, Koji

PATENT ASSIGNEE(S): Shin-Etsu Chemical Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 12 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1053678	A1	20001122	EP 2000-401306	20000512 <--
EP 1053678	B1	20040929		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2000327787	A	20001128	JP 1999-138633	19990519 <--
JP 3705954	B2	20051012		
US 6300283	B1	20011009	US 2000-572969	20000518 <--
PRIORITY APPLN. INFO.:			JP 1999-138633	A 19990519 <--

AB A water-base pesticidal composition containing a polyether-modified organopolysiloxane compound $R_3\text{-SiR}_{12}\text{-O-(SiR}_{12}\text{-O)}_m\text{-(SiR}_{12}\text{-O)}_n\text{-SiR}_{12}\text{-R}_3$ ($m = 1\text{-}10$; $n = 0\text{-}10$; $m+n \geq 2$; $R_1 = \text{C1-5 alkyl, phenyl}$; $R_2 = \text{polyoxyalkylene-substituted alkyl C}_x\text{H}_{2x}\text{-O-(C}_2\text{H}_4\text{O)}_y\text{-(C}_3\text{H}_6\text{O)}_z\text{-R}_4$; $R_4 = \text{H, C1-5 alkyl, or acetyl}$; $x = 2, 3, \text{ or } 4$; $y = 5\text{-}15$, $z = 0\text{-}10$; $R_3 = R_1 \text{ or } R_2$) as a spreader is proposed to improve spreadability of the pesticidal compound over plants. The polyether-modified organopolysiloxane compound is characterized by a sp.

weight fraction of the polyoxyethylene units and a specific mol. weight of the compound so as to exhibit high and stable surface activity in an aqueous solution over a wide range of the pH value.

IT 180468-43-3D, trimethylsilyl-terminated
 RL: MOA (Modifier or additive use); USES (Uses)
 (surfactant in water based pesticidal composition)
 RN 180468-43-3 HCAPLUS
 CN Silanediol, dimethyl-, polymer with oxirane, methyl ether, block (9CI)
 (CA INDEX NAME)

CM 1

CRN 67-56-1
 CMF C H4 O

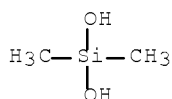
H₃C—OH

CM 2

CRN 156309-06-7
 CMF (C2 H8 O2 Si . C2 H4 O)x
 CCI PMS

CM 3

CRN 1066-42-8
 CMF C2 H8 O2 Si



CM 4

CRN 75-21-8
 CMF C2 H4 O



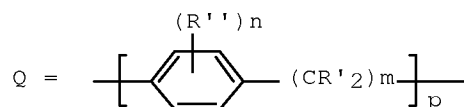
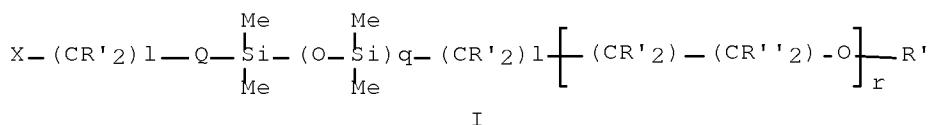
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L32 ANSWER 23 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2000:677420 HCAPLUS Full-text
 DOCUMENT NUMBER: 133:267264
 TITLE: Heat-resistant polyalkyleneoxy-substituted reactive siloxanes and production method thereof
 INVENTOR(S): Ko, Yanhoon; Cho, Seokyoung; Shin, Hyonchu; Kim, Inkyon; Joo, Hyonsak; Kim, Yongpil
 PATENT ASSIGNEE(S): Korea Kumho Petrochemical Co., Ltd., S. Korea; Chemical Technology of Korea Research Institute
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000264970	A	20000926	JP 1999-207290	19990722 <--
JP 3496183	B2	20040209		
KR 2000060636	A	20001016	KR 1999-9118	19990318 <--
PRIORITY APPLN. INFO.:			KR 1999-9118	A 19990318 <--

GI



AB Title siloxanes are represented by the general formula I and have mol. weight 400-100,000, at least one polyalkyleneoxy terminal group, and at least one reactive terminal group, where X = halogen or halogen-substituted Si; R' = H or (substituted) C_{≤10} lower alkyl; R'' = R', halogen, hydroxy, or amine; l = 1-10; m ≥ 2; n = 1-4; p = 0-2; and q, r = 1-200. Thus, dimethylhydrogensilyl-terminated polydimethylsiloxane was reacted with triethylene glycol allyl Me ether and 4-(chloromethyl)styrene to give a reactive siloxane. Styrene and butadiene were polymerized to give a living polymer, which was reacted with the reactive siloxane to give a block polymer.

IT 296261-62-6DP, dimethylhydrogensilyl-terminated, optionally reaction products with halogen-containing compds.

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(preparation of heat-resistant polyalkyleneoxy-substituted reactive siloxanes)

RN 296261-62-6 HCAPLUS

CN Silanediol, dimethyl-, polymer with oxirane, monomethyl ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

 $\text{H}_3\text{C}-\text{OH}$

CM 2

CRN 156309-06-7

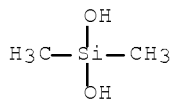
CMF (C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 4

CRN 75-21-8

CMF C2 H4 O



L32 ANSWER 24 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2000:198087 HCAPLUS Full-text
DOCUMENT NUMBER: 132:241688
TITLE: Stable water-in-oil silicone emulsions for cosmetics
INVENTOR(S): Sato, Yoshiyuki; Kilgour, John Alfred
PATENT ASSIGNEE(S): GE Toshiba Silicone Co., Ltd., Japan; General Electric Co.
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----

JP 2000086772	A	20000328	JP 1998-260196	19980914 <--
US 6372830	B1	20020416	US 1999-394669	19990913 <--
EP 1114635	A1	20010711	EP 2000-300061	20000106 <--
EP 1114635	B1	20040623		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO

PRIORITY APPLN. INFO.:

JP 1998-260196

A 19980914 <--

AB The emulsions contain polyorganosiloxanes, polyorganosiloxane-polyoxyalkylene block copolymers $\text{ESi(R1)}_2\text{O}[\text{Si(R1)}_2\text{O}]_m(\text{SiR1EO})_n\text{Si(R1)}_2\text{E}$ [I; R1 = Me (may partially be substituted with Ph); E = $(\text{CH}_2)_p\text{O}(\text{CH}_2\text{CH}_2\text{O})_a(\text{CH}_2\text{CHMeO})_b\text{R}_2$; R2 = H, acyl, C1-4 alkyl; p = 3-6; a = 2-50; b = 0-50; a + b = 5-100; m = 300-600; n = 1-30; m + n = 300-600], and H₂O. An emulsion, for skin-moisturizing lotion, containing polydimethylsiloxane 43.5, I (R1 = Me, R2 = H; m = 400, n = 6, a = 24, b = 18, p = 3) 5.0, sorbitan monolaurate 1.5, Me p-hydroxybenzoate 0.1, Pr p-hydroxybenzoate 0.1, 1,3-butylene glycol 10.0, and H₂O 39.8 weight parts showed 5.4% change in its viscosity after 10 thermal cycles.

IT 163252-63-9

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)

(stable water-in-oil silicone cosmetic emulsions for cosmetics)

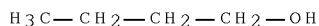
RN 163252-63-9 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane, methylsilanediol and oxirane, butyl ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 71-36-3

CMF C4 H10 O



CM 2

CRN 157478-91-6

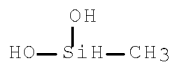
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x

CCI PMS

CM 3

CRN 43641-90-3

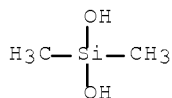
CMF C H6 O2 Si



CM 4

CRN 1066-42-8

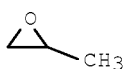
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8

CMF C2 H4 O



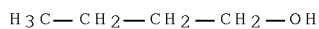
L32 ANSWER 25 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2000:127549 HCAPLUS Full-text
 DOCUMENT NUMBER: 132:166775
 TITLE: Linear polyether-polysiloxanes, their manufacture and use
 INVENTOR(S): Spitzner, Hartmut; Rautschek, Holger
 PATENT ASSIGNEE(S): Wacker-Chemie G.m.b.H., Germany
 SOURCE: Ger. Offen., 10 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19836260	A1	20000224	DE 1998-19836260	19980811 <--
EP 985698	A1	20000315	EP 1999-114288	19990729 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2000063523	A	20000229	JP 1999-225551	19990809 <--
JP 3202736	B2	20010827		

US 6187891 B1 20010213 US 1999-371819 19990811 <--
 PRIORITY APPLN. INFO.: DE 1998-19836260 A 19980811 <--
 AB The alternating-block copolymers have polyoxyalkylene blocks and polysiloxane blocks linked by C-Si bonds, and are useful as foam stabilizers and defoaming agents. They are prep'd by reaction of HSi-terminated (on both ends) polysiloxanes with polyalkylene glycol mono-C3-8-alkenyl ethers and polyalkylene glycol di-C3-8-alkenyl ethers in the presence of a hydrosilylation catalyst, where the polyalkylene glycols are (co)polymers (d.p. 2-300) of ethylene oxide, propylene oxide, and/or 1-butene oxide.
 IT 259131-96-9P, Dimethylsilanediol-ethylene oxide-propylene oxide block copolymer dibutyl ether
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (linear block polyether-polysiloxanes)
 RN 259131-96-9 HCAPLUS
 CN Silanediol, dimethyl-, polymer with methyloxirane and oxirane, dibutyl ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 71-36-3
 CMF C4 H10 O

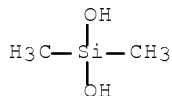


CM 2

CRN 156309-05-6
 CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O)x
 CCI PMS

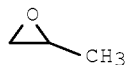
CM 3

CRN 1066-42-8
 CMF C2 H8 O2 Si



CM 4

CRN 75-56-9
 CMF C3 H6 O



CM 5

CRN 75-21-8

CMF C2 H4 O



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L32 ANSWER 26 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1999:708511 HCAPLUS Full-text

DOCUMENT NUMBER: 131:323795

TITLE: Spinning finishing agents for processing synthetic fibers and yarns

INVENTOR(S): Yamamoto, Hisao; Kimura, Fumihiko; Nagaya, Masahiro; Kitagawa, Yukiko

PATENT ASSIGNEE(S): Takemoto Yushi Kabushiki Kaisha, Japan

SOURCE: Eur. Pat. Appl., 18 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 953673	A2	19991103	EP 1999-303196	19990426 <--
EP 953673	A3	20000607		
EP 953673	B1	20011010		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 11315480	A	19991116	JP 1998-134575	19980427 <--
JP 3907313	B2	20070418		
TW 559633	B	20031101	TW 1999-88100875	19990121 <--
CN 1233686	A	19991103	CN 1999-102545	19990226 <--
CN 1114006	C	20030709		

PRIORITY APPLN. INFO.: JP 1998-134575 A 19980427 <--

OTHER SOURCE(S): MARPAT 131:323795

AB The title agent contains a polyether compound, a straight-chain polyether modified polyorganosiloxane of a specified kind and an ionic surfactant at specified ratios applied at a specified rate to synthetic fibers subjected to a heat treatment such as false twisting. The title agents optionally contain an ester or ether ester compound Agent containing ethylene glycol-propylene glycol block copolymer Me ether 96, block polyoxyalkylene-terminal polysiloxane (which includes units of di-Me siloxane and polyoxyethylene) 2,

and methyltributylammonium oleate 2 parts was used to lubricate PET fibers, showing short heater contamination 23 mg. There was no filament slipping, no static charge, no fuzz, and no deposit on the heater.

IT 249504-30-1 249504-31-2 249504-36-7

RL: TEM (Technical or engineered material use); USES (Uses)
(in spinning finishing agents for draw-false twist texturing synthetic fibers)

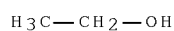
RN 249504-30-1 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane and oxirane, ethyl ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 64-17-5

CMF C2 H6 O



CM 2

CRN 176896-14-3

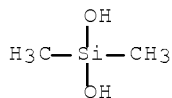
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 1066-42-8

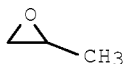
CMF C2 H8 O2 Si



CM 4

CRN 75-56-9

CMF C3 H6 O



CM 5

CRN 75-21-8
CMF C2 H4 O



RN 249504-31-2 HCAPLUS
CN Silanediol, dimethyl-, polymer with methyloxirane and oxirane, phenyl
propylphenyl ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 31019-46-2
CMF C9 H12 O
CCI IDS

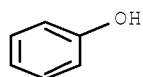


D1-OH

D1-Pr-n

CM 2

CRN 108-95-2
CMF C6 H6 O

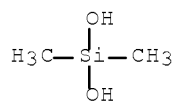


CM 3

CRN 156309-05-6
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O)x
CCI PMS

CM 4

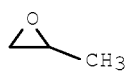
CRN 1066-42-8
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8

CMF C2 H4 O



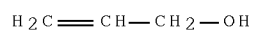
RN 249504-36-7 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane and oxirane, 2-propenyl ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 107-18-6

CMF C3 H6 O



CM 2

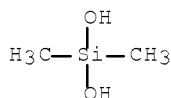
CRN 176896-14-3

CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O) x

CCI PMS

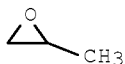
CM 3

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 4

CRN 75-56-9
CMF C3 H6 O



CM 5

CRN 75-21-8
CMF C2 H4 O



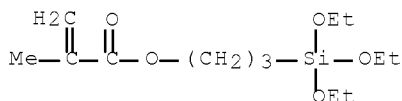
L32 ANSWER 27 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1999:650464 HCAPLUS Full-text
 DOCUMENT NUMBER: 131:273237
 TITLE: Storage-stable curable water emulsions for coatings
 with good stain and water resistance
 INVENTOR(S): Ohmura, Takuya; Inukai, Hiroshi; Hasegawa, Mitsutaka;
 Tsuda, Takashi; Yamamura, Takehisa
 PATENT ASSIGNEE(S): Toa Gosei Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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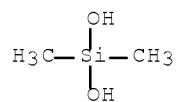
JP 11279364 A 19991012 JP 1998-195023 19980625 <--
 PRIORITY APPLN. INFO.: JP 1998-30610 A 19980128 <--
 AB Title emulsions coatings, particularly useful for building materials such as
 concretes, comprises (A) an alkoxyethyl-containing (meth)acrylic copolymer
 (e.g., Aqualon HS 20-Bu acrylate-2-hydroxyethyl methacrylate-Me methacrylate-
 γ -methacryloxypropyltriethoxysilane copolymer) (B) a hydrolyzable silane
 compound (e.g., hexyltriethoxysilane), and (C) a block copolymer dispersants
 prepared by radical polymerization of polyoxyalkylene (meth)acrylate-based
 monomers in the presence of radical polymerization initiators having
 polydimethylsiloxane and azo groups in the main chains (M 230G-VPS 0501 block
 copolymer).
 IT 236735-86-7P 236735-88-9P
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material
 use); PREP (Preparation); USES (Uses)
 (curable acrylic polysiloxanes emulsion coatings with good stain and
 water resistance and storage stability)
 RN 236735-86-7 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, 3-(triethoxysilyl)propyl ester, polymer with
 dimethylsilanediol and oxirane, methyl ether, block, graft (9CI) (CA
 INDEX NAME)
 CM 1
 CRN 67-56-1
 CMF C H4 O

H₃C—OH

CM 2
 CRN 872036-36-7
 CMF (C13 H26 O5 Si . C2 H8 O2 Si . C2 H4 O)x
 CCI PMS
 CM 3
 CRN 21142-29-0
 CMF C13 H26 O5 Si



CM 4
 CRN 1066-42-8
 CMF C2 H8 O2 Si



CM 5

CRN 75-21-8

CMF C2 H4 O



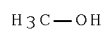
RN 236735-88-9 HCAPLUS

CN 2-Propenoic acid, 2-hydroxyethyl ester, polymer with dimethylsilanediol
and oxirane, methyl ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O



CM 2

CRN 872036-57-2

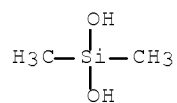
CMF (C5 H8 O3 . C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 1066-42-8

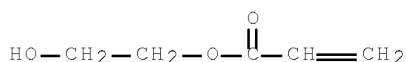
CMF C2 H8 O2 Si



CM 4

CRN 818-61-1

CMF C5 H8 O3



CM 5

CRN 75-21-8

CMF C2 H4 O



L32 ANSWER 28 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1999:583366 HCAPLUS Full-text

DOCUMENT NUMBER: 131:215684

TITLE: Stain-resistant water-based paint composition

INVENTOR(S): Inukai, Hiroshi; Marumoto, Etsuzo; Iida, Akito

PATENT ASSIGNEE(S): Toa Gosei Chemical Industry Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11246826	A	19990914	JP 1998-69570	19980304 <--
PRIORITY APPLN. INFO.:			JP 1998-69570	19980304 <--

AB Title composition comprises (A) an aqueous emulsive resin 100, (B) a block copolymer 0.1-100 prepared by radical polymerization of monomers containing ≥50 wt% polyoxyalkylene (meth)acrylate in the presence of polymeric azo-compound initiator having the repeat unit of {CO(CH₂)₂C(CH₃)(CN)N:NC(CH₃)(CN)(CH₂)₂CONH(CH₂)₃Si(CH₃)₂[OSi(CH₃)₂]_x(CH₂)₃NH} (x: integer 10-500), and (C) a silica sol of ≤10 μm particle diameter 0.1-100 parts. Thus, a water-based coating was formulated. from fluoro resin-based white paint 100, block copolymer emulsion (33 wt% solids) 20 prepared by polymerizing M230G (methoxypolyoxyethylene glycol methacrylate) in the presence of VPS 0501 (polymeric azo compound), and Snowtex 40 (silica sol) 15 g, showing glossiness 77, weatherability 99%, contact angles 48 (water) and 138 (hexadecane), staining resistance (ΔL) -4, and good water resistance and storage stability.

IT 236735-86-7P

RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); PREP

(paint containing; preparation of stain-resistant water-based paint)

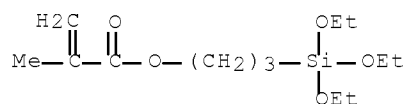
2-Propenoic acid, 2-methyl-, 3-(triethoxysilyl)propyl ester, polymer with dimethylsilanediol and oxirane, methyl ether, block, graft (9CI) (CA INDEX NAME)

CMF C H4 O

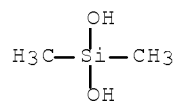
$$\text{H}_3\text{C}-\text{OH}$$

CCI PMS

CMF C13 H26 O5 Si

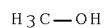


CMF C2 H8 O2 Si


$$\text{CMF} \quad \text{C2} \quad \text{H4} \quad \text{O}$$

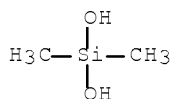


IT 236735-88-9F
 RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (paint containing; preparation of stain-resistant water-based paint)
 RN 236735-88-9 HCAPLUS
 CN 2-Propenoic acid, 2-hydroxyethyl ester, polymer with dimethylsilanediol and oxirane, methyl ether, block, graft (9CI) (CA INDEX NAME)
 CM 1
 CRN 67-56-1
 CMF C H4 O

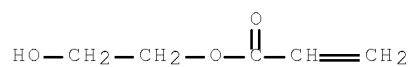


CM 2
 CRN 872036-57-2
 CMF (C5 H8 O3 . C2 H8 O2 Si . C2 H4 O)x
 CCI PMS

CM 3
 CRN 1066-42-8
 CMF C2 H8 O2 Si



CM 4
 CRN 818-61-1
 CMF C5 H8 O3



CM 5

CRN 75-21-8

CMF C2 H4 O



L32 ANSWER 29 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1999:498327 HCAPLUS Full-text
 DOCUMENT NUMBER: 131:158917
 TITLE: Curable emulsions for coatings with excellent stain resistance
 INVENTOR(S): Ohmura, Takuya; Inukai, Hiroshi; Tsuda, Takashi; Yamamura, Takehisa
 PATENT ASSIGNEE(S): Toa Gosei Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11217480	A	19990810	JP 1998-189693	19980619 <--
PRIORITY APPLN. INFO.:			JP 1997-343687	A 19971128 <--

AB Title aqueous emulsions contain 100 parts copolymers composed of (a) radically polymerizable monomers containing alkoxysilyl groups, (b) copolymerizable monomers, and (c) radically polymerizable surfactants Z(AO)_nY (Z = organic group containing radically polymerizable double bond; AO = oxyalkylene; n ≥ 2; Y = ionic leaving group), and 0.1-30 parts block copolymer dispersants prepared by radical polymerization of monomers mainly composed of polyoxyalkylene (meth)acrylate in the presence of radical polymerization initiators bearing polydimethylsiloxane and azo groups in the main chains. Thus, radical polymerization of a mixture containing γ-methacryloxypropyltriethoxysilane 10, Me methacrylate 50, Bu acrylate 30, 2-hydroxyethyl acrylate 10, and Aqualon HS20 (reactive surfactant) 2 parts in H₂O gave an emulsion. Then, 100 parts of the emulsion and 15 parts of a block copolymer prepared by polymerizing M230G (methoxypolyoxyethylene glycol methacrylate) in the presence of VPS 0501 (polymeric azo compound) were mixed to give a storage-stable curable emulsion, which was applied on a primed Al plate and cured at room temperature for 1 wk to give coatings showing good solvent, stain, and weather resistance.

IT 236735-86-7P 236735-88-9P
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (curable aqueous emulsions of acrylic polysiloxanes for stain-resistant coatings)

RN 236735-86-7 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, 3-(triethoxysilyl)propyl ester, polymer with

January 7, 2009

CM 1

CRN 67-56-1

CMF C H4 O

$$\text{H}_3\text{C}-\text{OH}$$

CM 2

CRN 872036-36-7

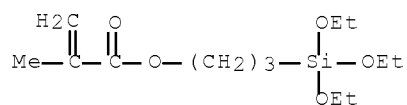
$$\text{CMF} \quad (\text{C}_{13} \text{H}_{26} \text{O}_5 \text{Si} \cdot \text{C}_2 \text{H}_8 \text{O}_2 \text{Si} \cdot \text{C}_2 \text{H}_4 \text{O})_x$$

CCI PMS

CM 3

CRN 21142-29-0

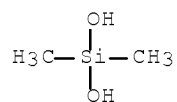
CMF C13 H26 O5 Si



CM 4

CRN 1066-42-8

CMF C2 H8 O2 Si



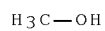
CM 5

CRN 75-21-8

$$\text{CMF} \quad \text{C2} \quad \text{H4} \quad \text{O}$$

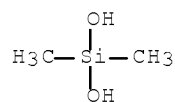


RN 236735-88-9 HCAPLUS
 CN 2-Propenoic acid, 2-hydroxyethyl ester, polymer with dimethylsilanediol
 and oxirane, methyl ether, block, graft (9CI) (CA INDEX NAME)
 CM 1
 CRN 67-56-1
 CMF C H4 O

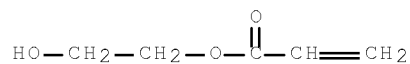


CM 2
 CRN 872036-57-2
 CMF (C5 H8 O3 . C2 H8 O2 Si . C2 H4 O)x
 CCI PMS

CM 3
 CRN 1066-42-8
 CMF C2 H8 O2 Si



CM 4
 CRN 818-61-1
 CMF C5 H8 O3



CM 5
 CRN 75-21-8

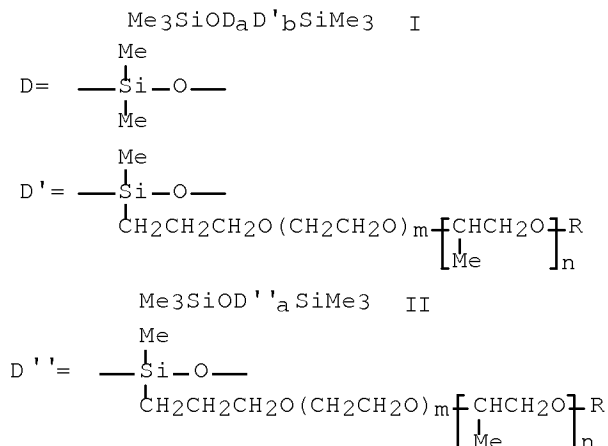
CMF C2 H4 O



L32 ANSWER 30 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1999:482129 HCAPLUS Full-text
 DOCUMENT NUMBER: 131:104524
 TITLE: Nonaqueous electrolyte solution containing siloxane derivative for battery
 INVENTOR(S): Horie, Takeshi; Noda, Kazuhiro; Yamada, Shinichiro
 PATENT ASSIGNEE(S): Sony Corp., Japan
 SOURCE: Eur. Pat. Appl., 18 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 932215	A1	19990728	EP 1999-101301	19990125 <--
EP 932215	B1	20010516		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 11214032	A	19990806	JP 1998-13001	19980126 <--
JP 4016153	B2	20071205		
JP 2000058123	A	20000225	JP 1998-222150	19980805 <--
US 6124062	A	20000926	US 1999-233910	19990121 <--
KR 540112	B1	20060110	KR 1999-2315	19990125 <--
PRIORITY APPLN. INFO.:			JP 1998-13001	A 19980126 <--
			JP 1998-222150	A 19980805 <--

GI



AB Disclosed is a nonaq. electrolyte soln.comprising a specific siloxane derivative of the following chemical formula (I) or (II), and at least one light metal salt such as an alkali metal salt. The siloxane derivative has a coefficient of kinematic viscosity at 25° of <5000 cSt, and a mean mol. weight of <10,000. The electrolyte solution has good chemical and thermochem. stability and the battery comprising it has high safety, and has good cell capabilities even at high voltage.

IT 163252-63-9D, Dimethylsilanediol-methylhydrogensilanediol-methyloxirane-oxirane copolymer butyl ether, trimethylsilyl-terminated
 172720-46-6D, Dimethylsilanediol-methylhydrogensilanediol-oxirane copolymer methyl ether, trimethylsilyl-terminated
 RL: DEV (Device component use); USES (Uses)
 (nonaq. electrolyte solution containing siloxane derivative for battery)

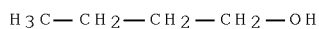
RN 163252-63-9 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane, methylsilanediol and oxirane, butyl ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 71-36-3

CMF C4 H10 O



CM 2

CRN 157478-91-6

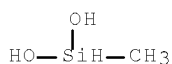
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x

CCI PMS

CM 3

CRN 43641-90-3

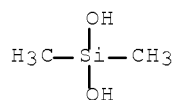
CMF C H6 O2 Si



CM 4

CRN 1066-42-8

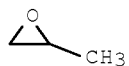
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8

CMF C2 H4 O



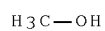
RN 172720-46-6 HCAPLUS

CN Silanediol, dimethyl-, polymer with methylsilanediol and oxirane, methyl ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O



CM 2

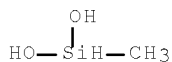
CRN 172341-28-5

CMF (C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x

CCI PMS

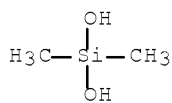
CM 3

CRN 43641-90-3
CMF C H6 O2 Si



CM 4

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 5

CRN 75-21-8
CMF C2 H4 O



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L32 ANSWER 31 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1999:481681 HCAPLUS Full-text
DOCUMENT NUMBER: 131:118295
TITLE: Antifoaming agents for lubricating oils and the lubricating oil compositions containing them
INVENTOR(S): Okada, Mitsuo; Konishi, Toru; Horie, Yutaka; Sudo, kiyooki
PATENT ASSIGNEE(S): Nippon Oil Co., Ltd., Japan; Toshiba Silicone Co., Ltd.
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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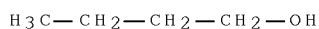
10/540,816

January 7, 2009

JP 11209778 A 19990803 JP 1998-21400 19980119 <--
 PRIORITY APPLN. INFO.: JP 1998-21400 19980119 <--
 AB Antifoaming agents for lubricating oil compns. are polyoxyalkylene-modified
 silicone oils having the general formula $\text{Me}_3\text{Si}(\text{MeR}_1\text{SiO})_a(\text{Me}_2\text{SiO})_b\text{SiMe}_3$, where
 $a \geq 1$, $b \geq 7$, $b/a = 7-20:1$, and $\text{R}_1 = \text{CH}_2\text{CH}_2\text{CH}_2(\text{OCH}_2\text{CH}_2)_c(\text{OCH}_2\text{CHMe})_d\text{OR}_2$, where R_2
 = H or C1-4 alkyl, $c = 5-50$, and $d = 0-50$.
 IT 163252-63-9
 RL: MOA (Modifier or additive use); TEM (Technical or engineered material
 use); USES (Uses)
 (antifoaming agents for lubricating oils and the lubricating oil
 compns. containing them)
 RN 163252-63-9 HCAPLUS
 CN Silanediol, dimethyl-, polymer with methyloxirane, methylsilanediol and
 oxirane, butyl ether, block, graft (9CI) (CA INDEX NAME)

 CM 1

 CRN 71-36-3
 CMF C4 H10 O

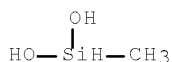


CM 2

 CRN 157478-91-6
 CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x
 CCI PMS

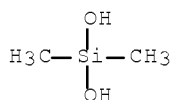
 CM 3

 CRN 43641-90-3
 CMF C H6 O2 Si



CM 4

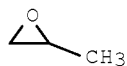
 CRN 1066-42-8
 CMF C2 H8 O2 Si



CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8

CMF C2 H4 O



L32 ANSWER 32 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1998:675544 HCAPLUS Full-text
 DOCUMENT NUMBER: 130:4673
 TITLE: Epoxy resin compositions for packaging of semiconductor devices
 INVENTOR(S): Ohta, Masaru
 PATENT ASSIGNEE(S): Sumitomo Bakelite Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 10279667	A	19981020	JP 1997-81732	19970331 <--
PRIORITY APPLN. INFO.:			JP 1997-81732	19970331 <--

AB Title compns., giving void-free semiconductor device packagings with improved solder crack resistance, contain (a) epoxy resins, (b) phenolic resin hardeners, (c) crosslinking accelerators, (d) inorg. fillers surface-treated with silicone oils having alkoxysilyl, alkoxy, or polyether groups, and optionally (d) silane couplers where the modification ratio (calcn. given) between the fillers and the oils is $\geq 70\%$. Thus, a composition containing epoxy resin (YX 4000H) 9.6, phenol-aralkyl resin (XL 225LL) 7.4, 1,8-Diazabicyclo[5.4.0]Undecene-7 0.2, Me₃SiO(SiMe₂O)₅[SiMe(C₃H₆OSi(OMe)₃O]₅[SiMe(C₃H₆O(C₂H₄O)₁₀Me)₅SiMe 3-treated spherical silica 80.0, Br-containing epoxy resin 1.0 part and other additives was kneaded at 50-130°, pulverized, pelletized, transfer-molded on 8 semiconductor chips at 175° for 2 min, and post-cured at 175° for 8 h to give

test pieces showing no cracks after leaving at 85° and relative humidity 85% for 168 h and IR reflow soldering at 240°.

IT 215867-13-3

RL: MOA (Modifier or additive use); USES (Uses)

(surface modifiers; epoxy resin compns. containing silicone oil-treated inorg. fillers for packaging of semiconductor devices with improved solder crack resistance)

RN 215867-13-3 HCAPLUS

CN Silanediol, dimethyl-, polymer with silanediol, methyl[3-(trimethoxysilyl)propyl]silanediol and oxirane, methyl ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

H₃C—OH

CM 2

CRN 215867-12-2

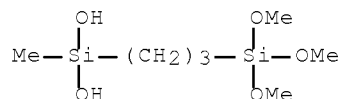
CMF (C7 H20 O5 Si2 . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x

CCI PMS

CM 3

CRN 189232-88-0

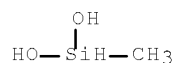
CMF C7 H20 O5 Si2



CM 4

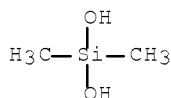
CRN 43641-90-3

CMF C H6 O2 Si



CM 5

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 6

CRN 75-21-8
CMF C2 H4 O



L32 ANSWER 33 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1998:653731 HCAPLUS Full-text
DOCUMENT NUMBER: 129:290782
ORIGINAL REFERENCE NO.: 129:59265a, 59268a
TITLE: Block polyoxyalkylene-siloxanes for use in the foaming
of polyurethanes
INVENTOR(S): Burkhart, Georg; Langenhagen, Rolf-Dieter; Weier,
Andreas
PATENT ASSIGNEE(S): TH. GOLDSCHMIDT A.-G., Germany
SOURCE: Eur. Pat. Appl., 23 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 867465	A1	19980930	EP 1998-104644	19980314 <--
EP 867465	B1	20000614		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 5844010	A	19981201	US 1997-869550	19970605 <--
CA 2229295	A1	19980929	CA 1998-2229295	19980210 <--
CA 2229295	C	20020604		
ES 2149026	T3	20001016	ES 1998-104644	19980314 <--
CN 1195002	A	19981007	CN 1998-101017	19980316 <--
CN 1100092	C	20030129		
JP 10279807	A	19981020	JP 1998-81233	19980327 <--
JP 3497375	B2	20040216		
BR 9801144	A	19991214	BR 1998-1144	19980330 <--
PRIORITY APPLN. INFO.:			DE 1997-19713277	A 19970329 <--

AB The title polymers, with specified structures, are prepared by hydrosilylation. The Pt-catalyzed reaction of $\text{Me}_3\text{SiO}(\text{Me}_2\text{SiO})_{28}(\text{MeHSiO})_5\text{SiMe}_3$ 20, $\text{CH}_2:\text{CHCH}_2\text{O}(\text{CH}_2\text{CH}_2\text{O})_{16}[\text{CH}(\text{Me})\text{CH}_2\text{O}]_{12}\text{Me}$ 40, $\text{CH}_2:\text{CHCH}_2\text{O}(\text{CH}_2\text{CH}_2\text{O})_{45}[\text{CH}(\text{Me})\text{CH}_2\text{O}]_{34}\text{Me}$ 60, and trimethylolpropane diallyl ether 10 mmol at 105° gave a 98.8% conversion to a block copolymer. The use of this polymer in the foaming of polyurethanes is exemplified.

IT 214002-80-9P
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (block polyoxyalkylene-siloxanes for use in the foaming of polyurethanes)

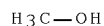
RN 214002-80-9 HCAPLUS

CN Silanediol, dimethyl-, polymer with
 2,2-bis[(2-propenyloxy)methyl]-1-butanol, methyloxirane, methylsilanediol and oxirane, methyl ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O



CM 2

CRN 213926-89-7

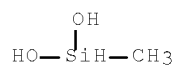
CMF $(\text{C}_{12}\text{H}_{22}\text{O}_3 \cdot \text{C}_3\text{H}_6\text{O} \cdot \text{C}_2\text{H}_8\text{O}_2\text{Si} \cdot \text{C}_2\text{H}_4\text{O} \cdot \text{C}_6\text{H}_6\text{O}_2\text{Si})_x$

CCI PMS

CM 3

CRN 43641-90-3

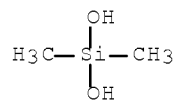
CMF C H6 O2 Si



CM 4

CRN 1066-42-8

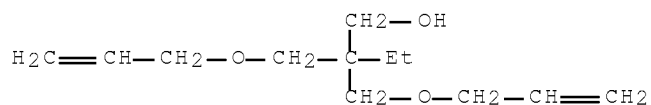
CMF C2 H8 O2 Si



CM 5

CRN 682-09-7

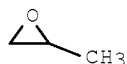
CMF C12 H22 O3



CM 6

CRN 75-56-9

CMF C3 H6 O



CM 7

CRN 75-21-8

CMF C2 H4 O



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L32 ANSWER 34 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1998:653730 HCAPLUS Full-text

DOCUMENT NUMBER: 129:276917

ORIGINAL REFERENCE NO.: 129:56459a,56462a

TITLE: Block polyoxyalkylene-polysiloxanes for the preparation of polyurethane foams

INVENTOR(S): Boinowitz, Tammo; Burkhart, Georg; Langenhagen, Rolf-Dieter; Schlachter, Ingo; Weier, Andreas

PATENT ASSIGNEE(S): TH. GOLDSCHMIDT A.-G., Germany

SOURCE: Eur. Pat. Appl., 11 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 867464	A1	19980930	EP 1998-104527	19980313 <--
EP 867464	B1	20040204		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 5990187	A	19991123	US 1997-870189	19970606 <--
PRIORITY APPLN. INFO.:			DE 1997-19712628	A 19970326 <--
AB	The title polymers, with specified branched structures, are prepared by hydrosilylation. Pt-catalyzed reaction of 45:40:15 polyethylene-poly(phenylethylene)-polypropylene glycol monoallyl ether (mol. weight 1500) 128, 40:60 polyethylene-polypropylene glycol allyl Me ether (mol. weight 3800) 190, 40:60 polyethylene-polypropylene glycol allyl Me ether (mol. weight 1400) 21, and a Me hydrogen polysiloxane 80.4 g (0.1 mol SiH) at 105° for 4 h gave a 98% conversion to a clear, yellowish block polyoxyalkylene-polysiloxane. Use of the products in the foaming of polyurethanes is exemplified.			
IT	213926-69-3P RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (block polyoxyalkylene-polysiloxanes for the preparation of polyurethane foams)			
RN	213926-69-3 HCAPLUS			
CN	Silanediol, dimethyl-, polymer with methyloxirane, methylsilanediol, oxirane and phenyloxirane, methyl ether, block (9CI) (CA INDEX NAME)			
CM	1			
CRN	67-56-1			
CMF	C H4 O			

H₃C—OH

CM 2

CRN 213815-89-5

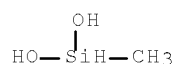
CMF (C8 H8 O . C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x

CCI PMS

CM 3

CRN 43641-90-3

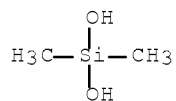
CMF C H6 O2 Si



CM 4

CRN 1066-42-8

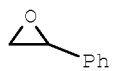
CMF C2 H8 O2 Si



CM 5

CRN 96-09-3

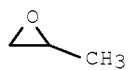
CMF C8 H8 O



CM 6

CRN 75-56-9

CMF C3 H6 O



CM 7

CRN 75-21-8

CMF C2 H4 O



REFERENCE COUNT:

1

THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L32 ANSWER 35 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1998:618495 HCAPLUS Full-text

DOCUMENT NUMBER: 129:303436

ORIGINAL REFERENCE NO.: 129:61895a,61898a

TITLE: Epoxy resin compositions for sealing semiconductor devices and improvers for their resistance to solder heat cracks and void formation

INVENTOR(S): Oota, Masaru

PATENT ASSIGNEE(S): Sumitomo Bakelite Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 17 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10251520	A	19980922	JP 1997-55699	19970311 <--
PRIORITY APPLN. INFO.:			JP 1997-55699	19970311 <--

AB The compns. comprises (A) epoxy resins, (B) phenolic resin crosslinkers, (C) curing accelerators, (D) inorg. fillers, and (E) polyoxyalkylene-polysiloxane block copolymers as the improvers. A sealing composition comprised YX 4000H (biphenol-type epoxy resin) 9.6, XL 225LL (phenolaralkyl resin) 7.4, 1,8-diazabicyclo(5.4.0)undecene-7 0.2, a polyoxyalkylene-polysiloxane block copolymer 0.2, spherical silica 79.8, brominated phenolic novolak epoxy resin 1.0, Sb2O3 1.0, carbon black 0.3 and carnauba wax 0.5 part.

IT 214425-75-9 214425-75-9D, dimethylsilyl-terminated
 214425-76-0 214425-77-1 214425-78-2
 214425-79-3 214425-80-6 214425-81-7

RL: MOA (Modifier or additive use); USES (Uses)
 (improvers; epoxy resin compns. for sealing semiconductor devices and improvers for resistance to solder heat cracks and void formation)

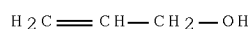
RN 214425-75-9 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane and oxirane, mono-2-propenyl ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 107-18-6

CMF C3 H6 O



CM 2

CRN 156309-05-6

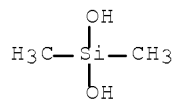
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 1066-42-8

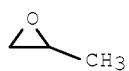
CMF C2 H8 O2 Si



CM 4

CRN 75-56-9

CMF C3 H6 O



CM 5

CRN 75-21-8

CMF C2 H4 O



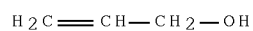
RN 214425-75-9 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane and oxirane,
mono-2-propenyl ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 107-18-6

CMF C3 H6 O



CM 2

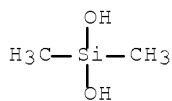
CRN 156309-05-6

CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O) x

CCI PMS

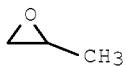
CM 3

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 4

CRN 75-56-9
CMF C3 H6 O



CM 5

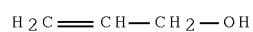
CRN 75-21-8
CMF C2 H4 O



RN 214425-76-0 HCAPLUS
CN Silanediol, dimethyl-, polymer with
methyl[2-(7-oxabicyclo[4.1.0]hept-3-yl)ethyl]silanediol, methyloxirane and
oxirane, mono-2-propenyl ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 107-18-6
CMF C3 H6 O

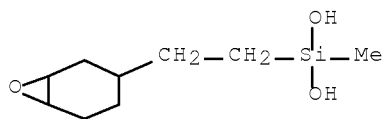


CM 2

CRN 190201-14-0
 CMF (C9 H18 O3 Si . C3 H6 O . C2 H8 O2 Si . C2 H4 O)x
 CCI PMS

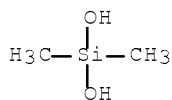
CM 3

CRN 158521-02-9
 CMF C9 H18 O3 Si



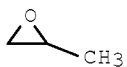
CM 4

CRN 1066-42-8
 CMF C2 H8 O2 Si



CM 5

CRN 75-56-9
 CMF C3 H6 O



CM 6

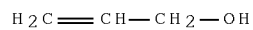
CRN 75-21-8
 CMF C2 H4 O



RN 214425-77-1 HCAPLUS
 CN Silanediol, dimethyl-, polymer with methyloxirane,
 methyl[3-(oxiranylmethoxy)propyl]silanediol and oxirane, mono-2-propenyl
 ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 107-18-6
 CMF C3 H6 O

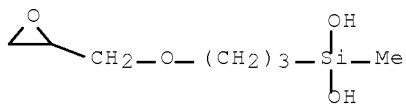


CM 2

CRN 190268-99-6
 CMF (C7 H16 O4 Si . C3 H6 O . C2 H8 O2 Si . C2 H4 O)x
 CCI PMS

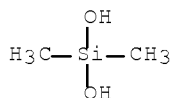
CM 3

CRN 133316-68-4
 CMF C7 H16 O4 Si



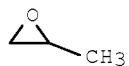
CM 4

CRN 1066-42-8
 CMF C2 H8 O2 Si



CM 5

CRN 75-56-9
 CMF C3 H6 O



CM 6

CRN 75-21-8

CMF C2 H4 O



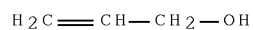
RN 214425-78-2 HCAPLUS

CN Silanediol, dimethyl-, polymer with
methyl[2-(7-oxabicyclo[4.1.0]hept-3-yl)ethyl]silanediol, methyloxirane,
methylphenylsilanediol and oxirane, mono-2-propenyl ether, block (9CI)
(CA INDEX NAME)

CM 1

CRN 107-18-6

CMF C3 H6 O



CM 2

CRN 214359-63-4

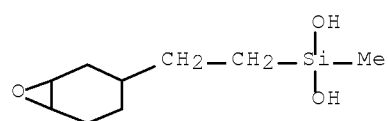
CMF (C9 H18 O3 Si . C7 H10 O2 Si . C3 H6 O . C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 158521-02-9

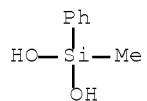
CMF C9 H18 O3 Si



CM 4

CRN 3959-13-5

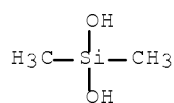
CMF C7 H10 O2 Si



CM 5

CRN 1066-42-8

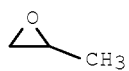
CMF C2 H8 O2 Si



CM 6

CRN 75-56-9

CMF C3 H6 O



CM 7

CRN 75-21-8

CMF C2 H4 O



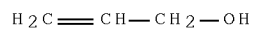
RN 214425-79-3 HCAPLUS
CN Silanediol, dimethyl-, polymer with

methyl[2-(7-oxabicyclo[4.1.0]hept-3-yl)ethyl]silanediol, methyloxirane,
methyl(2-phenylethyl)silanediol and oxirane, mono-2-propenyl ether, block
(9CI) (CA INDEX NAME)

CM 1

CRN 107-18-6

CMF C3 H6 O



CM 2

CRN 214359-65-6

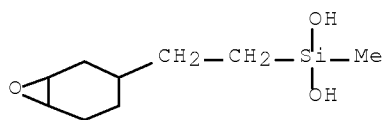
CMF (C9 H18 O3 Si . C9 H14 O2 Si . C3 H6 O . C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 158521-02-9

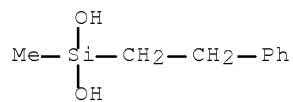
CMF C9 H18 O3 Si



CM 4

CRN 17881-99-1

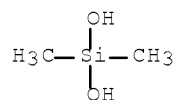
CMF C9 H14 O2 Si



CM 5

CRN 1066-42-8

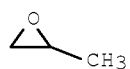
CMF C2 H8 O2 Si



CM 6

CRN 75-56-9

CMF C3 H6 O



CM 7

CRN 75-21-8

CMF C2 H4 O



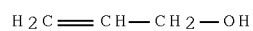
RN 214425-80-6 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane and oxirane,
di-2-propenyl ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 107-18-6

CMF C3 H6 O



CM 2

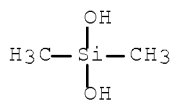
CRN 156309-05-6

CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O)x

CCI PMS

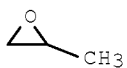
CM 3

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 4

CRN 75-56-9
CMF C3 H6 O



CM 5

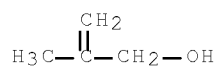
CRN 75-21-8
CMF C2 H4 O



RN 214425-81-7 HCAPLUS
CN Silanediol, dimethyl-, polymer with methyloxirane and oxirane,
mono(2-methyl-2-propenyl) ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 513-42-8
CMF C4 H8 O



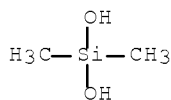
CM 2

CRN 156309-05-6

CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O)x
CCI PMS

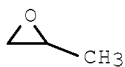
CM 3

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 4

CRN 75-56-9
CMF C3 H6 O



CM 5

CRN 75-21-8
CMF C2 H4 O



L32 ANSWER 36 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1997:632556 HCAPLUS Full-text
DOCUMENT NUMBER: 127:265424
ORIGINAL REFERENCE NO.: 127:51771a,51774a
TITLE: Catheter tipping lubricant
INVENTOR(S): Khan, Azar J.; Hopkins, David P.; Khan, Mohammad A.
PATENT ASSIGNEE(S): Becton Dickinson and Company, USA
SOURCE: Eur. Pat. Appl., 9 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 795599	A1	19970917	EP 1997-301590	19970311 <--
R: DE, ES, FR, GB, IT				
US 5688747	A	19971118	US 1996-616840	19960315 <--
PRIORITY APPLN. INFO.:			US 1996-616840	A 19960315 <--
			US 1994-294275	B2 19940822 <--

AB The two part tipping lubricant of this invention comprises water as the solvent. The lubricant is a silicone surfactant, which is nonionic and a good lubricating fluid. No sep. surfactant or lubricant is needed. The lubricant solution into which the catheter is dipped may also include low percentages of a solution stabilizer and an antimicrobial agent to clarify the solution and to inhibit microbial growth in the water solution Vitamin E or its derivative may also be used in the lubrication solution to prevent degradation of the solution

IT 183903-09-5
 RL: MOA (Modifier or additive use); NUU (Other use, unclassified); TEM (Technical or engineered material use); USES (Uses)
 (catheter tipping lubricants containing)

RN 183903-09-5 HCAPLUS

CN Silanediol, 1,1-dimethyl-, polymer with 2-methyloxirane, 1-methylsilanediol and oxirane, methyl ether, block, graft (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

H₃C—OH

CM 2

CRN 157478-91-6

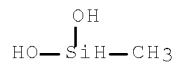
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x

CCI PMS

CM 3

CRN 43641-90-3

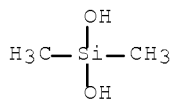
CMF C H6 O2 Si



CM 4

CRN 1066-42-8

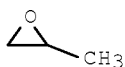
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8

CMF C2 H4 O



L32 ANSWER 37 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1997:571506 HCAPLUS Full-text

DOCUMENT NUMBER: 127:192829

ORIGINAL REFERENCE NO.: 127:37365a,37368a

TITLE: Silicone foam control agents for hydrocarbon liquids
such as diesel fuel or jet fuelINVENTOR(S): Battice, David Robert; Petroff, Lenin James; Fey,
Kenneth Christopher; Stanga, Michael Allen

PATENT ASSIGNEE(S): Dow Corning Corporation, USA

SOURCE: Eur. Pat. Appl., 35 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

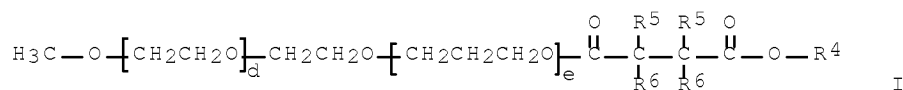
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 784068	A1	19970716	EP 1997-100360	19970110 <--
R: DE, FR, GB, IT				
US 5767192	A	19980616	US 1996-584505	19960111 <--
NO 9700013	A	19970714	NO 1997-13	19970103 <--

10/540,816

January 7, 2009

JP 09194597 A 19970729 JP 1997-3239 19970110 <--
 CA 2194943 A1 19970712 CA 1997-2194943 19970113 <--
 PRIORITY APPLN. INFO.: US 1996-584505 A 19960111 <--
 GI



AB The organopolysiloxane compound having at least one group having the formula I wherein R3 is a divalent hydrocarbon group having from 1 to 20 carbon atoms, R5 and R6 are selected from a hydrogen atom or a group having the formula - (CnH2n+1) where n has a value from 1 to 30, R4 is selected from hydrogen atom, alkyl group or aryl group, d has a value from 0 to 150 and e has a value from 0 to 150, with the proviso that the value of d+e is greater than zero. These compds. reduce the amount of foam in hydrocarbon fuels, especially in diesel or jet fuels. The organopolysiloxane compds. function as foam control agents which display consistent compatibility and miscibility with other fuel additives which are frequently present in hydrocarbon fuels.

IT 193829-59-3 194428-28-9

RL: MOA (Modifier or additive use); USES (Uses)

(silicone foam control agents for hydrocarbon liqs. such as diesel fuel or jet fuel)

RN 193829-59-3 HCAPLUS

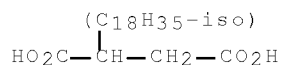
CN Silanediol, dimethyl-, polymer with methyloxirane, methylsilanediol and oxirane, isooctadecenylbutanedioate, ethyl ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 35164-31-9

CMF C22 H40 O4

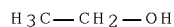
CCI IDS



CM 2

CRN 64-17-5

CMF C2 H6 O



CM 3

CRN 157478-91-6

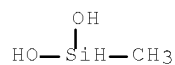
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x

CCI PMS

CM 4

CRN 43641-90-3

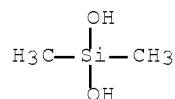
CMF C H6 O2 Si



CM 5

CRN 1066-42-8

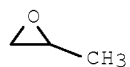
CMF C2 H8 O2 Si



CM 6

CRN 75-56-9

CMF C3 H6 O



CM 7

CRN 75-21-8

CMF C2 H4 O

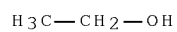


RN 194428-28-9 HCAPLUS
 CN Silanediol, dimethyl-, polymer with methyloxirane, methylsilanediol and
 oxirane, dodecenylbutanedioate, ethyl ester, block, graft (9CI) (CA INDEX
 NAME)

CM 1

CRN 64-17-5

CMF C2 H6 O



CM 2

CRN 157478-91-6

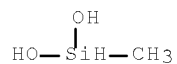
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x

CCI PMS

CM 3

CRN 43641-90-3

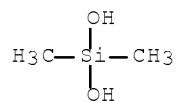
CMF C H6 O2 Si



CM 4

CRN 1066-42-8

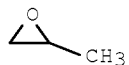
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8

CMF C2 H4 O



CM 7

CRN 29658-97-7

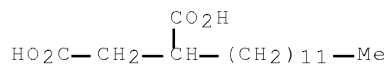
CMF C16 H28 O4

CCI IDS

CM 8

CRN 455-95-8

CMF C16 H30 O4



L32 ANSWER 38 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1997:480844 HCAPLUS Full-text
 DOCUMENT NUMBER: 127:97393
 ORIGINAL REFERENCE NO.: 127:18721a,18724a
 TITLE: Waterborne lubricant for Teflon products
 INVENTOR(S): Hopkins, David P.; Khan, Mohammad A.
 PATENT ASSIGNEE(S): Becton Dickinson and Company, USA
 SOURCE: Eur. Pat. Appl., 16 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
EP 778337	A2	19970611	EP 1996-308127	19961108 <--
EP 778337	A3	19970625		
R: DE, ES, FR, GB, IT				

10/540,816

January 7, 2009

CA 2190338	A1	19970608	CA 1996-2190338	19961114 <--
JP 09176677	A	19970708	JP 1996-328141	19961209 <--
JP 2918032	B2	19990712		

PRIORITY APPLN. INFO.: US 1995-568886 A 19951207 <--

AB This invention relates to a new water-soluble lubricant for a medical device, such as a catheter and an introducer needle. The lubricant is a silicone surfactant which is nonionic and which is a good lubricating fluid. Preferably the silicone surfactant that is used is a block copolymer polyalkylene oxide-modified polydimethylsiloxane. Water is used as the solvent for this lubricant. The lubrication solution includes a solution stabilizer to clarify the solution and antimicrobial agents to inhibit microbial growth in the water solution or on the coated product. Vitamin E or its derivs. may also be used in the lubrication solution. When the lubrication solution is used on Teflon products, a small amount of alc. is added to the lubrication solution to increase wettability.

IT 183903-09-5
 RL: NUU (Other use, unclassified); TEM (Technical or engineered material use); USES (Uses)
 (waterborne lubricants for Teflon products of medical devices)

RN 183903-09-5 HCAPLUS

CN Silanediol, 1,1-dimethyl-, polymer with 2-methyloxirane, 1-methylsilanediol and oxirane, methyl ether, block, graft (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

H₃C—OH

CM 2

CRN 157478-91-6

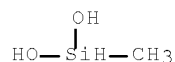
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x

CCI PMS

CM 3

CRN 43641-90-3

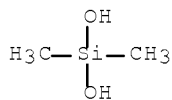
CMF C H6 O2 Si



CM 4

CRN 1066-42-8

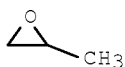
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8

CMF C2 H4 O



L32 ANSWER 39 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1997:467658 HCAPLUS Full-text

DOCUMENT NUMBER: 127:96613

ORIGINAL REFERENCE NO.: 127:18593a,18596a

TITLE: Polysiloxane-polyoxyethylene-polyoxypropylene
triblock-copolymers and defoamer compositionsINVENTOR(S): Heilen, Wernfried; Karminski, Hans-Leo; Keup, Michael;
Klocker, Otto; Silber, Stefan; Spiegler, Roland;
Sucker, Roland

PATENT ASSIGNEE(S): Goldschmidt A.-G., Germany

SOURCE: Eur. Pat. Appl., 12 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: German

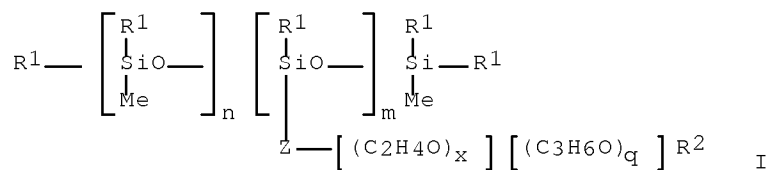
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
EP 777010	A2	19970604	EP 1996-118332	19961115 <--
EP 777010	A3	19980715		
EP 777010	B1	20030205		

January 7, 2009

R:	AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, NL, PT, SE		
JP 09157399	A	19970617	JP 1996-126966 19960522 <--
JP 3636817	B2	20050406	
NO 9603828	A	19970602	NO 1996-3828 19960913 <--
NO 310922	B1	20010917	
AT 232250	T	20030215	AT 1996-118332 19961115 <--
ES 2189851	T3	20030716	ES 1996-118332 19961115 <--
US 5804099	A	19980908	US 1996-752510 19961120 <--
CA 2191507	A1	19970531	CA 1996-2191507 19961128 <--
CA 2191507	C	20020423	
CN 101096417	A	20080102	CN 2006-10090654 20060630 <--
PRIORITY APPLN. INFO.:			DE 1995-19544586 A 19951130 <--
GI			



AB The title copolymers [I; R1 = C1-8 alkyl; R2 = H, C1-4 alkyl; Z = (CH2)pO; m = 3-10; n = 40-80; p = 2-4; x = 3-6; q = 20-30; x/q = 0.12-0.20] and aqueous dispersion coating compns. containing I are claimed. Five acrylic dispersion coating formulations containing 0.06-0.30% I were prepared and tested.

IT 163252-63-9, Silanediol, dimethyl-, polymer with methyloxirane, methylsilanediol and oxirane, butyl ether, block, graft
183903-09-5, Silanediol, dimethyl-, polymer with methyloxirane, methylsilanediol and oxirane, methyl ether, block, graft
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(polysiloxane-polyoxyethylene-polyoxypropylene block-copolymers and defoamer compns.)

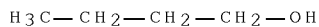
RN 163252-63-9 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane, methylsilanediol and oxirane, butyl ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 71-36-3

CMF C4 H10 O

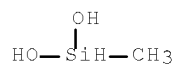


CM	2
CRN	157478-91-6
CMF	(C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x
CCI	PMS

CM 3

CRN 43641-90-3

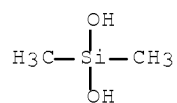
CMF C H6 O2 Si



CM 4

CRN 1066-42-8

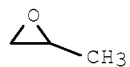
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8

CMF C2 H4 O



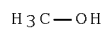
RN 183903-09-5 HCAPLUS

CN Silanediol, 1,1-dimethyl-, polymer with 2-methyloxirane,
 1-methylsilanediol and oxirane, methyl ether, block, graft (CA INDEX
 NAME)

CM 1

CRN 67-56-1

CMF C H4 O



CM 2

CRN 157478-91-6

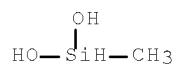
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x

CCI PMS

CM 3

CRN 43641-90-3

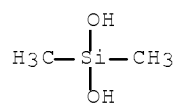
CMF C H6 O2 Si



CM 4

CRN 1066-42-8

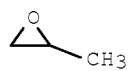
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8
CMF C2 H4 O

L32 ANSWER 40 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1997:302812 HCAPLUS Full-text
DOCUMENT NUMBER: 126:278265
ORIGINAL REFERENCE NO.: 126:53951a
TITLE: Polyoxyalkylene-grafted polysiloxanes and cosmetic
products containing them
INVENTOR(S): Tachibana, Kyomi; Sakuta, Koji
PATENT ASSIGNEE(S): Kosei KK, Japan; Shinetsu Chemical Industry Co., Ltd.
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 09059386	A	19970304	JP 1995-217666	19950825 <--
JP 3493535	B2	20040203		

PRIORITY APPLN. INFO.: JP 1995-217666 19950825 <--

AB Silicone compds. having good emulsifying property for silicone oils are polyoxyethylene-, polyoxypropylene-, and/or polyoxyethylenepropylene-grafted siloxanes and useful as additives to cosmetic products such as lotion and liquid foundation.

IT 188958-66-9DP, trimethylsilyl-terminated
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PRP (Properties); PREP (Preparation); USES (Uses)
(polyoxyalkylene-grafted polysiloxanes and cosmetic products containing them)

RN 188958-66-9 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane, methylsilanediol and oxirane, methyl octadecyl ether, block, graft (9CI) (CA INDEX NAME)

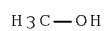
CM 1

CRN 112-92-5
CMF C18 H38 OHO—(CH₂)₁₇—Me

CM 2

CRN 67-56-1

CMF C H4 O



CM 3

CRN 157478-91-6

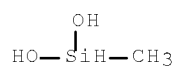
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x

CCI PMS

CM 4

CRN 43641-90-3

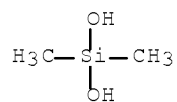
CMF C H6 O2 Si



CM 5

CRN 1066-42-8

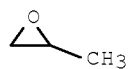
CMF C2 H8 O2 Si



CM 6

CRN 75-56-9

CMF C3 H6 O



CM 7

CRN 75-21-8

CMF C2 H4 O



L32 ANSWER 41 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1997:181085 HCAPLUS Full-text

DOCUMENT NUMBER: 126:172955

ORIGINAL REFERENCE NO.: 126:33401a,33404a

TITLE: Process for regulating the internal transport of additives of a polymer for imparting various properties to the solidified polymer products

INVENTOR(S): Maekipirtti, Simo; Ojanen, Marja; Bergholm, Heikki

PATENT ASSIGNEE(S): J.W. Suominen Oy, Finland

SOURCE: Eur. Pat. Appl., 33 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 753606	A2	19970115	EP 1996-660032	19960620 <--
EP 753606	A3	19970820		
EP 753606	B1	20010321		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
FI 9503288	A	19970104	FI 1995-3288	19950703 <--
FI 101481	B	19980630		
FI 101481	B1	19980630		
AT 199942	T	20010415	AT 1996-660032	19960620 <--
PRIORITY APPLN. INFO.:			FI 1995-3288	A 19950703 <--

AB In the title process for manufacturing synthetic fibers or plastic films or moldings, an extruded or molded polymer [e.g., polypropylene (I)] melt is quenched by regulating the cooling rate and/or the quenching temperature to obtain a stable structure comprising smectic and amorphous phases or a stable structure comprising smectic, amorphous, and monoclinic phases and heat-treated below the mobilization temperature of the polymer crystalline phase, which corresponds to the temperature for the maximum dynamic loss modulus of the polymer, to increase the monoclinic degree of crystallinity of the polymer matrix and form amorphous and smectic phase portions containing separated polymer-blended additives corresponding to supersatn., and the amorphous layer thickness of the quenched polymer matrix is controlled by regulating the heating time and temperature range defined by the quenching time and temperature corresponding to the min. amorphous layer thickness, without exceeding the temperature at which the return diffusion of the separated additive into the amorphous and smectic matrix phases occurs. A composition containing I and $\text{CF}_3(\text{CF}_2)_7\text{SO}_2\text{N}(\text{CH}_2\text{Me})\text{CH}_2\text{CH}_2(\text{OCH}_2\text{CH}_2)_8\text{OMe}$ (II) was melt spun, quenched, and heat-treated at 100-110° to give fibers with II content 0.5-1.0% and exhibiting wetting angle 60-65° and a monomol. fluorochem. surface.

IT 183903-09-5

RL: MOA (Modifier or additive use); PEP (Physical, engineering or chemical process); PRP (Properties); PROC (Process); USES (Uses)
 (hydrophilization agent; process for regulating internal transport of additives of polymers for imparting various properties to solidified polymer products)

RN 183903-09-5 HCAPLUS

CN Silanediol, 1,1-dimethyl-, polymer with 2-methyloxirane, 1-methylsilanediol and oxirane, methyl ether, block, graft (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

H₃C—OH

CM 2

CRN 157478-91-6

CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x

CCI PMS

CM 3

CRN 43641-90-3

CMF C H6 O2 Si

$$\begin{array}{c} \text{OH} \\ | \\ \text{HO}-\text{SiH}-\text{CH}_3 \end{array}$$

CM 4

CRN 1066-42-8

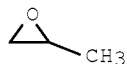
CMF C2 H8 O2 Si

$$\begin{array}{c} \text{OH} \\ | \\ \text{H}_3\text{C}-\text{Si}-\text{CH}_3 \\ | \\ \text{OH} \end{array}$$

CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8
CMF C2 H4 O



L32 ANSWER 42 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1997:154914 HCAPLUS Full-text

DOCUMENT NUMBER: 126:158282

ORIGINAL REFERENCE NO.: 126:30615a,30618a

TITLE: Epoxy resin composition for use in semiconductor sealing

INVENTOR(S): Oota, Masaru

PATENT ASSIGNEE(S): Sumitomo Bakelite Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08337635	A	19961224	JP 1995-144421	19950612 <--
PRIORITY APPLN. INFO.:			JP 1995-144421	19950612 <--

AB Epoxy resin compns. giving semiconductor devices with few voids, high reliability, and good solder crack resistance comprise epoxy resins, phenol resin curing agents, hardening accelerators, silicone oils, and 65-94% fillers, and the compns. contain ≤0.10% volatile components. A composition contained bisphenol A diglycidyl ether, a p-xylylene phenolic resin, spherical silica, and [[(hydroxypentyl)carboxy]oxy]methyl- terminated dimethylsilanediol-epoxypropylmethylsilanediol copolymer.

IT 186843-56-1
RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)
(epoxy resin composition for use in semiconductor sealing)

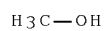
RN 186843-56-1 HCAPLUS

CN Silanediol, 1,1-dimethyl-, polymer with 2-methyloxirane, 1-methyl-1-[3-(2-oxiranylmethoxy)propyl]silanediol, 1-methylsilanediol and oxirane, methyl ether, block, graft (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O



CM 2

CRN 737764-89-5

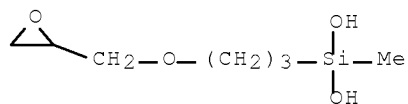
CMF (C7 H16 O4 Si . C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x

CCI PMS

CM 3

CRN 133316-68-4

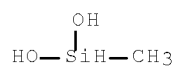
CMF C7 H16 O4 Si



CM 4

CRN 43641-90-3

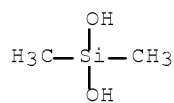
CMF C H6 O2 Si



CM 5

CRN 1066-42-8

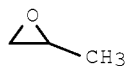
CMF C2 H8 O2 Si



CM 6

CRN 75-56-9

CMF C3 H6 O



CM 7

CRN 75-21-8

CMF C2 H4 O



L32 ANSWER 43 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1997:144307 HCAPLUS Full-text
 DOCUMENT NUMBER: 126:145523
 ORIGINAL REFERENCE NO.: 126:28113a,28116a
 TITLE: Defoamer compositions for pulp cooking
 INVENTOR(S): Yamada, Kunihiro; Itagaki, Akinari
 PATENT ASSIGNEE(S): Shinetsu Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08323107	A	19961210	JP 1995-138962	19950606 <--
JP 3444697	B2	20030908		

PRIORITY APPLN. INFO.: JP 1995-138962 19950606 <--

AB Title compns., which show long-lasting effect under high temperature or alkaline conditions, contain (A) $R_1aR_2bSiO(4-a-b)/2$ [$R_1 = R_3O[R_4O]cR_5$; $R_2 = C_1-18$ hydrocarbyl; $R_3 = C_1-4$ hydrocarbylene, $R_4 = C_2H_4$ and/or C_3H_6 ; $R_5 = H$, C_1-8 monovalent organic group; $0.01 \leq a \leq 1$; $1.2 \leq b \leq 2.2$; $1.8 < a + b < 2.3$; $3 \leq c \leq 100$] showing viscosity at 25° 10-100,000 cSt 5-99, (B) organopolysiloxane compns. composed of 100 parts $[R_6R_7SiO_2/2]d[R_8R_9R_{10}SiO_1/2]e[SiO_2]f$ [$R_6-R_{10} = C_1-18$ hydrocarbyl; $d/e/f = 1/(0.001-1.0)/(0.01-0.5)$ (mol. ratio)] showing viscosity at 25° 10-100,000 cSt and 0.1-20 parts fine silica powder 1-60, and (C) polyoxyalkylenes with mol. weight 500-5000 0-90%. Thus, (A) 250 g $G_{10.1}Me_{2.0}SiO_{0.95}$ [$G_1 = C_3H_6O[C_2H_4O]_{25}[C_3H_6O]_{25}Bu$] (viscosity 1400 cSt), (B) 100 g organopolysiloxane

composition composed of 490:10 silicone oil with mol. ratio
 $[\text{Me}_2\text{SiO}_2/2]/[\text{Me}_3\text{SiO}_1/2]/[\text{SiO}_2] = 1/0.20/0.24$ [prepared from organopolysiloxane
 containing 0.1% OH and showing mol. ratio $[\text{Me}_3\text{SiO}_1/2]/[\text{SiO}_2] = 0.85/1$ and di-
 Me silicone oil] and Aerosil 300, (C1) 100 g $\text{BuO}[\text{C}_2\text{H}_4]_{30}[\text{C}_3\text{H}_6\text{O}]_{10}\text{Bu}$ (average
 mol. weight 2030), and (C2) 50 g $\text{BuO}[\text{C}_2\text{H}_4\text{O}]_5[\text{C}_3\text{H}_6\text{O}]_{20}\text{H}$ (average mol. weight
 1454) were blended to prepare a defoamer, which was used to completely defoam
 a pulp black liquor at 0, 1, and 24 h after its preparation at 80° and pH 13.0
 in 15, 23, and 41 s, resp.

IT 186672-60-6

RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or
 engineered material use); USES (Uses)

(defoamer compns. containing polyoxyalkylene-modified silicones, silicone
 oils, and silica powder for pulp cooking)

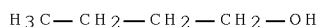
RN 186672-60-6 HCAPLUS

CN Silanediol, 1,1-dimethyl-, polymer with 2-methyloxirane and oxirane, butyl
 ether, block (CA INDEX NAME)

CM 1

CRN 71-36-3

CMF C4 H10 O



CM 2

CRN 156309-05-6

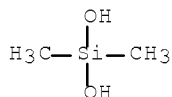
CMF $(\text{C}_3 \text{ H}_6 \text{ O} . \text{C}_2 \text{ H}_8 \text{ O}_2 \text{ Si} . \text{C}_2 \text{ H}_4 \text{ O})_x$

CCI PMS

CM 3

CRN 1066-42-8

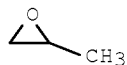
CMF $\text{C}_2 \text{ H}_8 \text{ O}_2 \text{ Si}$



CM 4

CRN 75-56-9

CMF $\text{C}_3 \text{ H}_6 \text{ O}$



CM 5

CRN 75-21-8

CMF C2 H4 O



L32 ANSWER 44 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1996:733514 HCAPLUS Full-text

DOCUMENT NUMBER: 125:342725

ORIGINAL REFERENCE NO.: 125:63797a,63800a

TITLE: Silver halide photographic material with good processability and its treatment

INVENTOR(S): Tanaka, Etsuji; Baba, Susumu

PATENT ASSIGNEE(S): Mitsubishi Paper Mills Ltd, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 08220689	A	19960830	JP 1995-27866	19950216 <--
PRIORITY APPLN. INFO.:			JP 1995-27866	19950216 <--
OTHER SOURCE(S):	MARPAT 125:342725			

AB The material has ≥ 2 backing layers containing a polyoxyethylene anionic surfactant, a silicone surfactant, and a hydrophobic latex. Dry-to-dry treatment time of the material with gelatin content ≤ 3.0 g/m² at the side of the backing layer is ≤ 60 s. The material showed good processability and transportability.

IT 174692-01-4D, Dimethylsilanediol-methylsilanediol-methyloxirane-oxirane block graft copolymer ethyl ether, trimethylsilyl-terminated
183903-09-5D, trimethylsilyl-terminated

RL: DEV (Device component use); MOA (Modifier or additive use); USES (Uses)

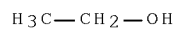
(silver halide photog. material having surfactant backing layer with good processability and its treatment)

RN 174692-01-4 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane, methylsilanediol and oxirane, ethyl ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 64-17-5
CMF C2 H6 O

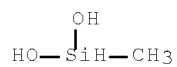


CM 2

CRN 157478-91-6
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x
CCI PMS

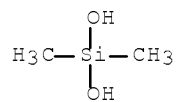
CM 3

CRN 43641-90-3
CMF C H6 O2 Si



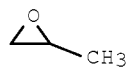
CM 4

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9
CMF C3 H6 O



CM 6

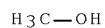
CRN 75-21-8
CMF C2 H4 O



RN 183903-09-5 HCAPLUS
CN Silanediol, 1,1-dimethyl-, polymer with 2-methyloxirane,
1-methylsilanediol and oxirane, methyl ether, block, graft (CA INDEX
NAME)

CM 1

CRN 67-56-1
CMF C H4 O

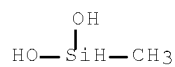


CM 2

CRN 157478-91-6
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x
CCI PMS

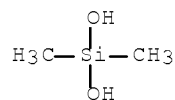
CM 3

CRN 43641-90-3
CMF C H6 O2 Si



CM 4

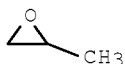
CRN 1066-42-8
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8

CMF C2 H4 O



L32 ANSWER 45 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1996:666526 HCAPLUS Full-text

DOCUMENT NUMBER: 125:308712

ORIGINAL REFERENCE NO.: 125:57609a,57612a

TITLE: Cosmetic bases containing odorless alkenyl
polyoxyalkylene ether-modified polysiloxanesINVENTOR(S): Hayashi, Yoshihiro; Pponda, Susumu; Kobayashi,
Toyohisa

PATENT ASSIGNEE(S): Nippon Oils & Fats Co Ltd, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 08208426	A	19960813	JP 1995-39013	19950203 <--
PRIORITY APPLN. INFO.:			JP 1995-39013	19950203 <--

AB Cosmetic bases contain (A) reaction products of
R3(R1)2SiO[(R1)2SiO]a[R1R2SiO]bSi(R1)2R3 (R1 = C1-10 hydrocarbyl; R2, R3 = H,
C1-10 hydrocarbyl; a, b = 0-1000; if all R2 = hydrocarbyl or b = 0, then ≥ 1 of
R3 = H) and XO[AO]mY (AO = C2-8 oxyalkylene; X = double bond-containing C5-30
hydrocarbyl having no active H on C adjacent to the double bond; Y = H, C1-24
hydrocarbyl, C2-24 acyl; m = 1-1000) or (B)
R4(R1)2SiO[(R1)2SiO]a[R1ZSiO]bSi(R1)2R4 [R1, a, b = same as above; R4 = C1-10
hydrocarbyl, Z; if b = 0, then ≥ 1 of R4 = Z; Z = CH2CH2C(R6)2[R5]nO[AO]mY; R5
= C1-20 hydrocarbylene; R6 = C1-10hydrocarbyl; AO, Y, m = same as above; n =

0, 1]. CH₂:CHCMe₂OH was treated with ethylene oxide in presence of MeONa at 100–130° under ≤5 kg/cm² for 9 h to give 79.5% CH₂:CHCMe₂O[C₂H₄O]₁₅H, which (150 g) was treated with 220 g Me₃SiO[Me₂SiO]₁₃SiMe₂H in 2-propanol in presence of chloroplatinic acid at 80° for 4 h to give 330 g odorless modified silicone.

IT 180468-43-3P 183253-22-7P 183253-23-8P
183253-25-0P

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cosmetic bases containing odorless alkenyl polyoxyalkylene ether-modified polysiloxanes)

RN 180468-43-3 HCAPLUS

CN Silanediol, dimethyl-, polymer with oxirane, methyl ether, block (9CI)
(CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

H₃C—OH

CM 2

CRN 156309-06-7

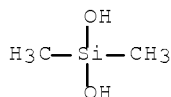
CMF (C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 4

CRN 75-21-8

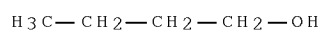
CMF C2 H4 O



RN 183253-22-7 HCAPLUS
 CN Silanediol, dimethyl-, polymer with oxirane, butyl ether, block (9CI) (CA INDEX NAME)

CM 1

CRN 71-36-3
 CMF C4 H10 O

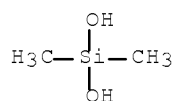


CM 2

CRN 156309-06-7
 CMF (C2 H8 O2 Si . C2 H4 O)x
 CCI PMS

CM 3

CRN 1066-42-8
 CMF C2 H8 O2 Si



CM 4

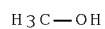
CRN 75-21-8
 CMF C2 H4 O



RN 183253-23-8 HCAPLUS
 CN Silanediol, 1,1-dimethyl-, polymer with 2-methyloxirane and oxirane, methyl ether, block (CA INDEX NAME)

CM 1

CRN 67-56-1
 CMF C H4 O



CM 2

CRN 156309-05-6

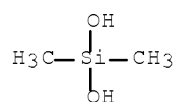
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O) x

CCI PMS

CM 3

CRN 1066-42-8

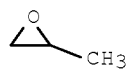
CMF C2 H8 O2 Si



CM 4

CRN 75-56-9

CMF C3 H6 O



CM 5

CRN 75-21-8

CMF C2 H4 O

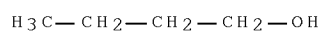


RN 183253-25-0 HCAPLUS

CN Silanediol, dimethyl-, polymer with methylsilanediol and oxirane, butyl ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 71-36-3
CMF C4 H10 O

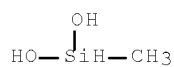


CM 2

CRN 172341-28-5
CMF (C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x
CCI PMS

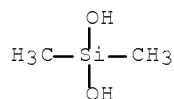
CM 3

CRN 43641-90-3
CMF C H6 O2 Si



CM 4

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 5

CRN 75-21-8
CMF C2 H4 O



ACCESSION NUMBER: 1996:505843 HCAPLUS Full-text
 DOCUMENT NUMBER: 125:198720
 ORIGINAL REFERENCE NO.: 125:37161a,37164a
 TITLE: Room-temperature-curable siloxane compositions and antifouling coatings based on them
 INVENTOR(S): Amidaichi, Katsumi; Senba, Masatoshi; Morimoto, Koji
 PATENT ASSIGNEE(S): Chugoku Marine Paints, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08127718	A	19960521	JP 1994-267863	19941031 <--
JP 3210815	B2	20010925		

PRIORITY APPLN. INFO.: JP 1994-267863 19941031 <--

AB Title compns., useful as antifouling coatings containing no poisonous antifouling agents, comprise (A) silanol- or hydrolyzable group-terminated organopolysiloxanes 100, (B) R₁aSiX₄-a [R₁ = C₁-8 (un)substituted hydrocarbyl; X = hydrolyzable group; a = 0-1] or their partially hydrolyzed products 1-30, and (C) Y(SiR₁2O)_m(SiR₁ZO)_nSiR₁2Y [R₁ = same as R₁ of B; Z = polyether group bound to Si via O; Y = same as R₁ or Z; m = 0-2000; n = 1-1000] 1-200 parts. Thus, 1000 g silanol-terminated dimethylpolysiloxane and 200 g fumed SiO₂ were blended with 15 g methyltri(methylketoxime)silane, dibutyltin dimethoxide, and 40 parts Me₃SiO(SiMe₂O)₃₀[SiMe[O(EO)8CH₂CH:CH₂]O]5SiMe₃ (EO = ethylene oxide) to give an antifouling coating, which was molded into a sheet, cured at 20° for 7 days, and immersed in the sea to show no adhesion of marine organisms during 24 mo.

IT 180978-61-4

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

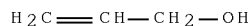
(antifouling agents; room-temperature-curable antifouling coatings containing organopolysiloxanes)

RN 180978-61-4 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane, methylsilanediol and oxirane, 2-propenyl ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 107-18-6
 CMF C3 H6 O



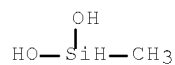
CM 2

CRN 157478-91-6
 CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x
 CCI PMS

CM 3

CRN 43641-90-3

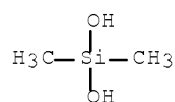
CMF C H6 O2 Si



CM 4

CRN 1066-42-8

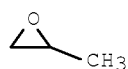
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8

CMF C2 H4 O



IT 180468-45-5

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
 (antifouling agents; room-temperature-curable antifouling coatings)

containing

organopolysiloxanes)

RN 180468-45-5 HCAPLUS

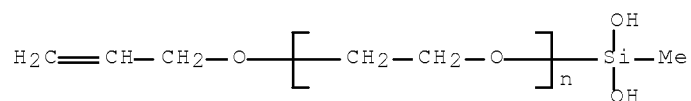
CN Silanediol, dimethyl-, polymer with
 α -(dihydroxymethylsilyl)- ω -(2-propenyloxy)poly(oxy-1,2-ethanediyl) and methyloxirane block polymer with oxirane dihydroxymethylsilyl 2-propenyl ether (9CI) (CA INDEX NAME)

CM 1

CRN 180051-49-4

CMF (C2 H4 O)_n C4 H10 O3 Si

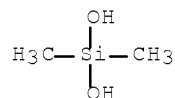
CCI PMS



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 3

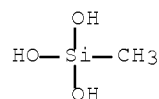
CRN 180468-44-4

CMF (C3 H6 O . C2 H4 O)_x . C3 H6 O . C H6 O3 Si

CM 4

CRN 2445-53-6

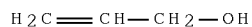
CMF C H6 O3 Si



CM 5

CRN 107-18-6

CMF C3 H6 O



CM 6

CRN 106392-12-5

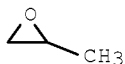
CMF (C3 H6 O . C2 H4 O)x

CCI PMS

CM 7

CRN 75-56-9

CMF C3 H6 O



CM 8

CRN 75-21-8

CMF C2 H4 O



L32 ANSWER 47 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1996:503792 HCAPLUS Full-text
DOCUMENT NUMBER: 125:168926
ORIGINAL REFERENCE NO.: 125:31663a,31666a
TITLE: Hydrosilylation using sulfur- and nitrogen-containing organosilicones and platinum (complex)
INVENTOR(S): Matsumura, Kazuyuki; Ichinohe, Seiji
PATENT ASSIGNEE(S): Shinetsu Chemical Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08127584	A	19960521	JP 1994-290713	19941031 <--
JP 3522860	B2	20040426		

PRIORITY APPLN. INFO.: JP 1994-290713 19941031 <--

AB The title method comprises a treatment of SiH-containing organic Si compds. with organic compds. having olefinic unsatd. bonds in the presence of catalysts prepared by reaction of (A) PtLa [L = ≥ 1 (amino- or mercapto-substitutable) ligand; a = nos. to balance the free valences of Pt] with (B) $YmXnSi(OR1)p(OH)qO(4-m-n-p)/2$ [Y = R2SbR3; R2 = H, C1-4 alkyl, C2-5 alkenyl, aryl, R3Si(OR1)3; R3 = C1-10 (branched) alkylene; b = 1-4; R1 = C1-4 hydrocarbyl; X = R4R5NR3. NCR3; R4, R5 = H, C1-4 alkyl, C2-5 alkenyl, aryl, R4R5NR3, R3Si(OR1)3; $0 < m < 1$; $0 < n < 0.5$; $n < m$; $0 < m + n < 1$; $0 \leq p < 0.1$; $0 < q < 1$; $0 < m + n + p + q < 2$], obtained by treating YSi(OR1)3, XSi(OR1)3, and Si(OR1)4 in H2O or H2O-containing organic solvents in the presence of SiF-containing F-containing Si compds. or fluoride salt catalysts. Thus, mercaptopropyltrimethoxysilane 131.3, γ -phenylaminopropyltrimethoxysilane 84.2, and Si(OMe)4 84.2 g were reacted at room temperature for 5 min to obtain a S- and N-containing organosilane derivative, 10 g of which was then treated with 2.08 g H2PtCl6.6H2O at 60° for 6 h to prepare a catalyst. Then, 93.5 g allyl glycidyl ether and SiH(OMe)3 were heated at 80° for 2 h to give γ -glycidoxypropyltrimethoxysilane in high yield for 10-times repeated use, and the Pt content in the remaining reaction solution was ≤ 0.1 ppm.

IT 180468-43-3P

RL: IMF (Industrial manufacture); PREP (Preparation)
(hydrosilylation using sulfur- and nitrogen-containing organosilicones and platinum (complex) as catalysts)

RN 180468-43-3 HCAPLUS

CN Silanediol, dimethyl-, polymer with oxirane, methyl ether, block (9CI)
(CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

H3C—OH

CM 2

CRN 156309-06-7

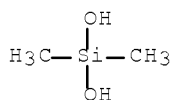
CMF (C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 4

CRN 75-21-8

CMF C2 H4 O



L32 ANSWER 48 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1996:153840 HCAPLUS Full-text

DOCUMENT NUMBER: 124:233991

ORIGINAL REFERENCE NO.: 124:43363a, 43366a

TITLE: Purification of polyether-polysiloxanes by hydrogenation

INVENTOR(S): Hino, Kenichi; Noda, Isao

PATENT ASSIGNEE(S): Nippon Unicar Co Ltd, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 07330907	A	19951219	JP 1994-335449	19941222 <--
JP 11335463	A	19991207	JP 1999-126619	19941222 <--
PRIORITY APPLN. INFO.:			JP 1994-97027	A 19940412 <--
			JP 1994-335449	A3 19941222 <--

AB The title polymers obtained by hydrosilylation of polyoxyalkylenes having C:C bonds at chain ends with hydropolysiloxanes are purified by hydrogenation for reduced odor and good storage stability. Thus, Me₃SiO(Me₂SiO)₂₀(MeHSiO)₅SiMe₃ and CH₂:CHCH₂O(CH₂CH₂O)₂₀(CH₂CHMeO)₁₀Bu were treated to obtain a crude polyether-polysiloxane, which was hydrogenated in PhMe and filtered to give a purified product showing unsatn. degree 0.01 mg-equiv and no odor in hydrolysis by HCl.

IT 163252-63-9DP, trimethylsilyl-terminated

RL: IMF (Industrial manufacture); PUR (Purification or recovery); PREP (Preparation)

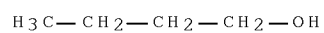
(purification of polyoxyalkylene-siloxanes by hydrogenation)

RN 163252-63-9 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane, methylsilanediol and oxirane, butyl ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 71-36-3
CMF C4 H10 O

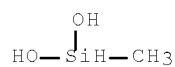


CM 2

CRN 157478-91-6
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x
CCI PMS

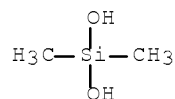
CM 3

CRN 43641-90-3
CMF C H6 O2 Si



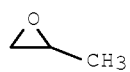
CM 4

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9
CMF C3 H6 O



CM 6

CRN 75-21-8
CMF C2 H4 O



L32 ANSWER 49 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1996:153801 HCAPLUS Full-text
 DOCUMENT NUMBER: 124:211555
 ORIGINAL REFERENCE NO.: 124:38901a,38904a
 TITLE: Oily solids containing organopolysiloxanes
 INVENTOR(S): Shimizu, Momoko; Shibata, Masafumi; Daijima, Kazuhiko
 PATENT ASSIGNEE(S): Kao Corp, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07330630	A	19951219	JP 1994-125043	19940607 <--
JP 3386885	B2	20030317		

PRIORITY APPLN. INFO.: JP 1994-125043 19940607 <--

AB Oily solids, useful for cosmetics, pharmaceuticals, crayons, etc., contain (A) high-d.p. organopolysiloxanes R₅(SiR₁R₂O)a(SiR₃R₄O)bR₆ (I) (R₁, R₂, R₅, R₆ = linear or branched C₁-4 alkyl; R₃ = C₁-40 linear, branched, or cyclic alkyl, alkenyl, fluoroalkyl; R₄ = C₇-40 linear, branched, or cyclic alkyl, alkenyl, fluoroalkyl; a ≥ 0; b ≥ 1; a + b = 120-6000; the form of the copolymer may be block, random, or alternating) 0.1-50, (B) polyoxyalkylene-modified organopolysiloxanes R₇SiR₈R₉O(SiR₁₀R₁₁O)m(SiR₁₂R₁₃O)nSiR₁₄R₁₅R₁₆ [II; R₇, R₁₃, R₁₆ = H, C₁-32 alkyl, Ph, (CH₂)_xO(C₂H₄O)_y(C₃H₆O)_zR; at least 1 of R₇, R₁₃, R₁₆ is (CH₂)_xO(C₂H₄O)_y(C₃H₆O)_zR; R₈-12, R₁₄, R₁₅ = H, C₁-32 alkyl, Ph; R = H, C₁-32 alkyl; R may differ; x = 1-18; m, n, y, z = average number that the polyoxyalkylene in the mol. is 1-50 weight%] 0.1-50, (C) waxes (m.p. 60-120°) 0.1-50, and (D) pigments 0.1-80 weight%. The oily solids show glossy appearance after application. Lipsticks containing KT 18 (I; R₁-3, R₅, R₆ = Me, R₄ = C₁₈H₃₇, a, b = 750; m.p. 33°) 3.0, II [m = 100, n = 3; R₇-12, R₁₄-16 = Me, R₁₃ = (CH₂)₃O(C₂H₄O)₁₀H] 5.0, solid paraffin 8.0, candelilla wax 6.0, carnauba wax 6.0, liquid paraffin 35.0, isostearic acid triglyceride 30.0, and pigments to 100 weight% were formulated.

IT 174692-01-4

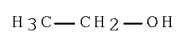
RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (oily solids containing high-d.p. organopolysiloxanes, polyoxyalkylene-organopolysiloxanes, waxes, and pigments)

RN 174692-01-4 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane, methylsilanediol and oxirane, ethyl ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 64-17-5
CMF C2 H6 O

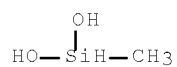


CM 2

CRN 157478-91-6
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x
CCI PMS

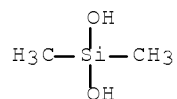
CM 3

CRN 43641-90-3
CMF C H6 O2 Si



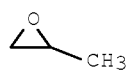
CM 4

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9
CMF C3 H6 O



CM 6

CRN 75-21-8

CMF C2 H4 O



L32 ANSWER 50 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1995:929607 HCAPLUS Full-text

DOCUMENT NUMBER: 124:89486

ORIGINAL REFERENCE NO.: 124:16779a,16782a

TITLE: Release agents for molding of urethane polymers

INVENTOR(S): Hasegawa, Kohei; Kuwata, Satoshi; Nakazato, Morizo

PATENT ASSIGNEE(S): Shinetsu Chemical Industry Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07228884	A	19950829	JP 1994-20777	19940218 <--
JP 3305092	B2	20020722		

PRIORITY APPLN. INFO.: JP 1994-20777 19940218 <--

AB Title agents comprise (A) 1-70% amino-containing siloxanes; (B) 0.1-70% polyoxyalkylene-modified siloxanes; 0.1-30% ≥ 1 emulsifying agent, and balance H₂O, the weight ratio of A/B being 1-10. Thus, applying an emulsion containing Me₃SiO(SiMe₂O)₅₀[SiMe(C₃H₆NHC₂H₄NH₂)O]_{0.3}SiMe₃ 300, Me₃SiO(SiMe₂O)₂₇[SiMe(C₃H₆(OC₂H₄)₂₃(OC₃H₆)₂₃OC₄H₉)O]₃SiMe₃ 150, polyoxyethylene octylphenyl ether 100, and H₂O 450 g on an Al sheet and foaming an urethane polymer on it gave a test piece showing peel strength 280 g at 0.3 m/min.

IT 163252-63-9D, trimethylsilyl group-terminated 172720-46-6D
 , trimethylsilyl group-terminated

RL: TEM (Technical or engineered material use); USES (Uses)
 (modified siloxane release agents with good storage stability for
 molding of polyurethanes)

RN 163252-63-9 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane, methylsilanediol and
 oxirane, butyl ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 71-36-3

CMF C4 H10 O



CM 2

CRN 157478-91-6

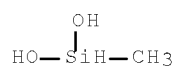
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x

CCI PMS

CM 3

CRN 43641-90-3

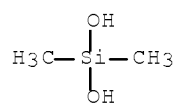
CMF C H6 O2 Si



CM 4

CRN 1066-42-8

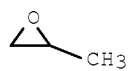
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9

CMF C3 H6 O



CM 6

CRN 75-21-8

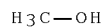
CMF C2 H4 O



RN 172720-46-6 HCAPLUS
 CN Silanediol, dimethyl-, polymer with methylsilanediol and oxirane, methyl
 ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 67-56-1
 CMF C H4 O

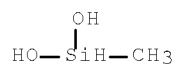


CM 2

CRN 172341-28-5
 CMF (C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x
 CCI PMS

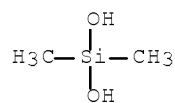
CM 3

CRN 43641-90-3
 CMF C H6 O2 Si



CM 4

CRN 1066-42-8
 CMF C2 H8 O2 Si



CM 5

CRN 75-21-8
 CMF C2 H4 O



L32 ANSWER 51 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1995:518777 HCAPLUS Full-text
 DOCUMENT NUMBER: 122:293934
 ORIGINAL REFERENCE NO.: 122:53539a,53542a
 TITLE: Defoamer compositions with good dilution stability and compatibility with other chemicals
 INVENTOR(S): Yamada, Kunihiro; Itagaki, Akinari; Kuwata, Satoshi
 PATENT ASSIGNEE(S): Shinetsu Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06319906	A	19941122	JP 1993-113454	19930514 <--
JP 3009083	B2	20000214		

PRIORITY APPLN. INFO.: JP 1993-113454 19930514 <--

AB The title compns. contain (A) a liquid paste obtained by reacting (a) a siloxane $\text{CH}_2:\text{CH}(\text{SiR}_1\text{R}_2)_n\text{SiR}_1\text{R}_2\text{CH}:\text{CH}_2$ ($\text{R}_1 = \text{C}_1\text{-6 hydrocarbyl}$; $n = 1\text{-}1000$), (b) organo hydrogen siloxanes $\text{Me}_3\text{SiO}(\text{SiHR}_2)_l(\text{SiR}_2\text{R}_3)_m\text{SiMe}_3$ (R_1 as defined above; $L = 1\text{-}10$; $m = 1\text{-}100$), (c) polyoxyalkylenes $\text{CH}_2:\text{CH}(\text{CH}_2)_p\text{O}(\text{R}_3)_q\text{R}_4$ ($\text{R}_3 = \text{ethylene and/or propylene}$; $\text{R}_4 = \text{H, C}_1\text{-6 alkyl, Ac, isocyanate}$; $p = 0\text{-}4$; $q = 1\text{-}30$; mol. weight $100\text{-}1500$), (d) polyoxyalkylene-modified siloxanes $\text{Me}_3\text{SiO}(\text{SiGlR}_5)_x(\text{SiR}_5\text{R}_6)_w\text{SiMe}_3$ [$\text{R}_5 = \text{C}_1\text{-6 hydrocarbyl}$; $\text{Gl} = (\text{CH}_2)_s\text{O}(\text{R}_6)_t\text{R}_7$; $\text{R}_6 = \text{ethylene and/or propylene}$; R_7 as defined for R_4 ; $s = 2\text{-}6$; $t = 5\text{-}50$; mol. weight $500\text{-}3000$; $x = 1\text{-}10$; $w = 10\text{-}100$], and (e) $85\text{-}99.9:15\text{-}0.1$ mixture of di-Me siloxane (viscosity $10\text{-}100,000$ cSt at 25°) and finely powdered silica, in the presence of an addition reaction catalyst at (a + b + c) content $5\text{-}50\%$ and $a:b:c:d:e = 1\text{-}50:1\text{-}50:0\text{-}10:5\text{-}50:10\text{-}80$, and (B) polyoxyalkylene-modified silicone oils $\text{G}_2\text{aR}_8\text{bSiO}_4\text{-a-b}/2$ and/or polyoxyalkylenes with mol. weight $500\text{-}5000$ at $A:B = 10\text{-}60:90\text{-}40$. In the component B, $\text{G}_2 = -(\text{CH}_2)_u\text{O}(\text{R}_9)_v\text{R}_{10}$; $\text{R}_9 = \text{ethylene and/or propylene}$; R_{10} as defined for R_4 ; $u = 2\text{-}6$; $v = 5\text{-}50$; R_8 as defined for R_4 ; $(a + b) = 1.9\text{-}2.2$. A liquid paste was formed from $\text{CH}_2:\text{CH}(\text{SiMe}_2\text{O})_{10}\text{SiMe}_2\text{CH}:\text{CH}_2$ 33, $\text{Me}_3\text{SiO}(\text{SiHMeO})_2(\text{SiMe}_2\text{O})_{27}\text{SiMe}_3$ 75, $\text{Me}_3\text{SiO}(\text{SiMe}[\text{C}_3\text{H}_6\text{O}(\text{C}_2\text{H}_4\text{O})_{23}(\text{C}_3\text{H}_6\text{O})_{23}\text{Bu}])_3(\text{SiMe}_2\text{O})_{27}\text{SiMe}_3$ 100, and $95:5$ mixture of di-Me siloxane (viscosity 100 cSt) and Nipsil HD-2 292 g in the presence of H_2PtCl_6 by heating at $70\text{-}80^\circ$ for 1 h then roll kneading twice. A defoamer composition comprised the above paste 150, $\text{G}_40.1\text{Me}_2.0\text{SiO}_0.95$ [$\text{G}_4 = -\text{C}_3\text{H}_6\text{O}(\text{C}_2\text{H}_4\text{O})_{25}(\text{C}_3\text{H}_6\text{O})_{25}\text{Bu}$; viscosity 1300 cSt] 260, and $\text{G}_50.03\text{Me}_1.98(\text{C}_{10}\text{H}_{21})_0.03\text{SiO}_0.98$ [$\text{G}_5 = -\text{C}_3\text{H}_6\text{O}(\text{C}_2\text{H}_4\text{O})_6(\text{C}_3\text{H}_6\text{O})_{24}\text{H}$] 90 g.

IT 163252-63-9D, trimethylsilyl-terminated
 RL: TEM (Technical or engineered material use); USES (Uses)
 (defoamer compns. with good dilution stability and compatibility with other chems.)

RN 163252-63-9 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane, methylsilanediol and oxirane, butyl ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 71-36-3
CMF C4 H10 O

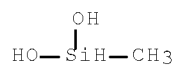


CM 2

CRN 157478-91-6
CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x
CCI PMS

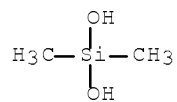
CM 3

CRN 43641-90-3
CMF C H6 O2 Si



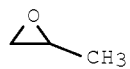
CM 4

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9
CMF C3 H6 O



CM 6

CRN 75-21-8
CMF C2 H4 O



L32 ANSWER 52 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1995:212441 HCAPLUS Full-text
 DOCUMENT NUMBER: 122:215610
 ORIGINAL REFERENCE NO.: 122:39413a,39416a
 TITLE: Self-lubricating synthetic resin compositions
 INVENTOR(S): Nakanishi, Tetsuo
 PATENT ASSIGNEE(S): Shinetsu Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

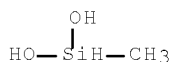
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06228441	A	19940816	JP 1993-42216	19930205 <--
PRIORITY APPLN. INFO.:			JP 1993-42216	19930205 <--
AB	Compns. giving molded products with good sliding properties contain 0.1-50 phr polyether-modified polysiloxanes. Thus, a composition containing 100 parts polypropylene and 2 parts Me3SiO(SiMe2O)2SiMe[(CH2)3(OCHMeCH2)3(OC2H4)10OC18H36]OSiMe3 was melt kneaded and injection molded to give a test piece showing static friction coefficient 0.31 initially and 0.31 after 7 days to a polypropylene board, and no dusting.			
IT	162196-37-4			
	RL: MOA (Modifier or additive use); USES (Uses) (self-lubricating polymer compns. containing polyether-modified siloxanes with good bleeding resistance)			
RN	162196-37-4 HCAPLUS			
CN	Silanediol, dimethyl-, polymer with methyloxirane, methylsilanediol and oxirane, octadecenyl ether, block, graft (9CI) (CA INDEX NAME)			

CM 1

CRN 157478-91-6
 CMF (C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x
 CCI PMS

CM 2

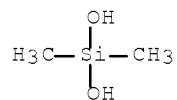
CRN 43641-90-3
 CMF C H6 O2 Si



CM 3

CRN 1066-42-8

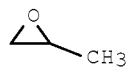
CMF C2 H8 O2 Si



CM 4

CRN 75-56-9

CMF C3 H6 O



CM 5

CRN 75-21-8

CMF C2 H4 O



CM 6

CRN 26446-12-8

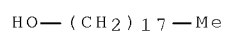
CMF C18 H36 O

CCI IDS

CM 7

CRN 112-92-5

CMF C18 H38 O



L32 ANSWER 53 OF 53 HCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1994:657186 HCAPLUS Full-text
 DOCUMENT NUMBER: 121:257186
 ORIGINAL REFERENCE NO.: 121:46949a,46952a
 TITLE: Surface-active polylactone-siloxanes containing
 hydrophilic groups
 INVENTOR(S): Noda, Isao; Shoji, Hiroaki
 PATENT ASSIGNEE(S): Nippon Unicar Co Ltd, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06128380	A	19940510	JP 1992-315487	19921014 <--
JP 3396044	B2	20030414		
JP 2002179796	A	20020626	JP 2001-338785	19921014 <--
PRIORITY APPLN. INFO.:			JP 1992-315487	A3 19921014 <--

AB The title polymers, useful for modifying the properties of paper, fibers, coatings, cosmetics, rubbers, etc., are prepared by introducing hydrophilic groups into reaction products of siloxanes containing Si-bonded H and oligolactones containing ≥ 1 alkenyl group/mol. Reacting 63 g $\text{Me}_3\text{SiO}(\text{SiMe}_2\text{O})_{20}(\text{SiHMeO})_8\text{SiMe}_3$ with 99 g $\text{H}_2\text{C}:\text{CHCH}_2\text{OCH}_2\text{CH}_2\text{O}[\text{CO}(\text{CH}_2)_5\text{O}]_4\text{H}$ and 238 g $\text{H}_2\text{C}:\text{CHCH}_2\text{O}(\text{C}_2\text{H}_4\text{O})_{17}(\text{C}_3\text{H}_6\text{O})_{24}\text{Me}$ gave a product (mol. weight 11,500) which was mixed with a mixture of polycaprolactone diol, MDI, and 1,4-butanediol and heated in a mold to give a cured molding showing elongation 560%, compression set 32%, good abrasion resistance, weight loss during 4 wk in mineral oil at 80° 0.1%, weight loss during 4 wk at 120° 0.2%, and weight increase during 20 days in H_2O at 80° 0.5%.

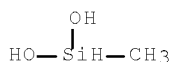
IT 158793-03-4DP, trimethylsilyl-terminated
 RL: PREP (Preparation)
 (preparation and properties of surface-active)

RN 158793-03-4 HCAPLUS

CN 2-Oxepanone, polymer with dimethylsilanediol, methyloxirane polymer with oxirane monomethyl ether and methylsilanediol, block, graft (9CI) (CA INDEX NAME)

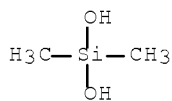
CM 1

CRN 43641-90-3
 CMF C H6 O2 Si



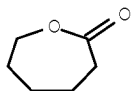
CM 2

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 3

CRN 502-44-3
CMF C6 H10 O2

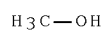


CM 4

CRN 9063-06-3
CMF (C3 H6 O . C2 H4 O)x . C H4 O

CM 5

CRN 67-56-1
CMF C H4 O

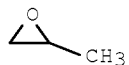


CM 6

CRN 9003-11-6
CMF (C3 H6 O . C2 H4 O)x
CCI PMS

CM 7

CRN 75-56-9
CMF C3 H6 O



CM 8

CRN 75-21-8

CMF C2 H4 O



=> d his nofil

(FILE 'HOME' ENTERED AT 11:30:34 ON 07 JAN 2009)

FILE 'CAPLUS' ENTERED AT 11:31:20 ON 07 JAN 2009

E US2005-540816/APPS

L1 1 SEA SPE=ON ABB=ON PLU=ON US2005-540816/AP
SEL RN

FILE 'REGISTRY' ENTERED AT 11:31:36 ON 07 JAN 2009

L2 4 SEA SPE=ON ABB=ON PLU=ON (163252-63-9/BI OR 190269-04-6/BI
OR 199985-91-6/BI OR 721444-16-2/BI)
D SCA

FILE 'CAPLUS' ENTERED AT 11:31:48 ON 07 JAN 2009

L3 1 SEA SPE=ON ABB=ON PLU=ON L1 AND L2
D IALL HITSTR

FILE 'STNGUIDE' ENTERED AT 11:32:18 ON 07 JAN 2009

FILE 'STNGUIDE' ENTERED AT 11:34:48 ON 07 JAN 2009

FILE 'REGISTRY' ENTERED AT 11:45:54 ON 07 JAN 2009

L4 STR

L5 1 SEA SPE=ON ABB=ON PLU=ON OXIRANE/CN
SEL RN
D SCA L5

L6 33406 SEA SPE=ON ABB=ON PLU=ON 75-21-8/CRN

L7 50 SEA SUB=L6 SSS SAM L4

L8 860 SEA SUB=L6 SSS FUL L4

L9 2 SEA SPE=ON ABB=ON PLU=ON L8 AND L2
D SCA

L10 276 SEA SPE=ON ABB=ON PLU=ON L8 AND BLOCK/CNS

L*** DEL 11412 S PHENYL/CNS NOT RSD/FA

L*** DEL 676 S L11 NOT MAN/CI

L*** DEL 1 S L12 AND C28H33CLN4O2/MF
D SCA

D RSD
D L13
L*** DEL 0 S L13 AND NC4-NC2NC2/ES
L*** DEL 496 S L12 NOT PMS/CI
L*** DEL 494 S L15 NOT IDS/CI
L*** DEL 488 S L16 NOT MXS/CI
L*** DEL 211 S L17 NOT (P/ELS OR ZN/ELS OR LI/ELS)
L*** DEL 1 S L18 AND C13H21F3O/MF
D SCA
D
D RSD

FILE 'CAPLUS' ENTERED AT 14:05:23 ON 07 JAN 2009
L11 498 SEA SPE=ON ABB=ON PLU=ON L10

FILE 'REGISTRY' ENTERED AT 14:05:30 ON 07 JAN 2009
L12 STR
L13 50 SEA SUB=L6 SSS SAM L12
L14 4 SEA SUB=L8 SSS SAM L12
L15 147 SEA SUB=L8 SSS FUL L12
L16 45 SEA SPE=ON ABB=ON PLU=ON L15 AND BLOCK/CNS
L17 0 SEA SPE=ON ABB=ON PLU=ON L16 AND L2
D SCA L2
L18 STR L12
L19 233 SEA SUB=L8 SSS FUL L18
L20 70 SEA SPE=ON ABB=ON PLU=ON L19 AND BLOCK/CNS
L21 53 SEA SPE=ON ABB=ON PLU=ON L20 AND NC<7
L22 2 SEA SPE=ON ABB=ON PLU=ON L2 AND L21
D SCA

FILE 'CAPLUS' ENTERED AT 14:10:11 ON 07 JAN 2009
L23 9 SEA SPE=ON ABB=ON PLU=ON L22
L24 65 SEA SPE=ON ABB=ON PLU=ON L21

FILE 'REGISTRY' ENTERED AT 14:10:35 ON 07 JAN 2009
L*** DEL 0 S L21 AND RELATED POLYMERS/FA
L25 53 POLYLINK L21

FILE 'CAPLUS' ENTERED AT 14:10:55 ON 07 JAN 2009
L26 65 SEA SPE=ON ABB=ON PLU=ON L25
L27 58 SEA SPE=ON ABB=ON PLU=ON L26 AND (PY<2004 OR AY<2004 OR
PRY<2004)
E HAIR PREPARATIONS+ALL/CT

FILE 'HCAPLUS' ENTERED AT 14:12:47 ON 07 JAN 2009
L28 28796 SEA SPE=ON ABB=ON PLU=ON HAIR PREPARATIONS+PFT,NT/CT
L29 58 SEA SPE=ON ABB=ON PLU=ON L26 AND (PY<2004 OR AY<2004 OR
PRY<2004)
L30 5 SEA SPE=ON ABB=ON PLU=ON L28 AND L29
L31 0 SEA SPE=ON ABB=ON PLU=ON L30 NOT L29
L32 53 SEA SPE=ON ABB=ON PLU=ON L29 NOT L30

FILE 'CAPLUS' ENTERED AT 14:15:37 ON 07 JAN 2009
D QUE L30

FILE 'HCAPLUS' ENTERED AT 14:15:58 ON 07 JAN 2009
D L30 IBIB ABS HITIND HITSTR TOT

FILE 'CAPLUS' ENTERED AT 14:16:03 ON 07 JAN 2009
D QUE L32

10/540,816

January 7, 2009

FILE 'HCAPLUS' ENTERED AT 14:16:26 ON 07 JAN 2009
D L32 IBIB ABS HITSTR TOT

FILE 'CAPLUS' ENTERED AT 14:17:01 ON 07 JAN 2009